

AXXAIR

One step ahead



Cutting



Bevelling



Welding

Sustainable development

AXXAIR SAS promotes sustainable development in industrial activities. As a part of our sustainable approach, we have decided to no longer issue paper catalogues. In today's connected world, we believe that digital catalogues with added functions are a practical and suitable alternative for all. We hope that you understand and will adopt this approach, for our good and the good of future generations.

This catalogue may be viewed online and may be printed, if desired, so as not to impose our view unilaterally. We do, however, encourage you to refrain from printing, or to print only the information that is of greatest interest to you.



Please do not print unnecessarily

Business Premises

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AXXAIR SAS is located in areas in which customer demand is great, in order to provide locally-based, high-quality and timely service.

Accordingly, we have expanded our presence by establishing subsidiaries in Korea in 2006, in China in 2009, in Germany in 2010 and in Spain in 2008.

Our products are distributed in over 35 countries through our "distributor" partner network, all of whom have been trained at our plant.



Production

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AXXAIR SAS makes efforts to maintain industrial jobs in France. To this end, 98% of manufacturing is performed in the Rhône-Alpes region of France.

We sub-contract 100% of our production to partners that include mechanics workshops, and sub-contractors in sheet metal working, electronics, etc.

We design all of our machines in our integrated engineering department, which is made up of 3 people.



AXXAIR SAS

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CUSTOMER SERVICE

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AXXAIR SAS has always focused on customer satisfaction first and foremost.

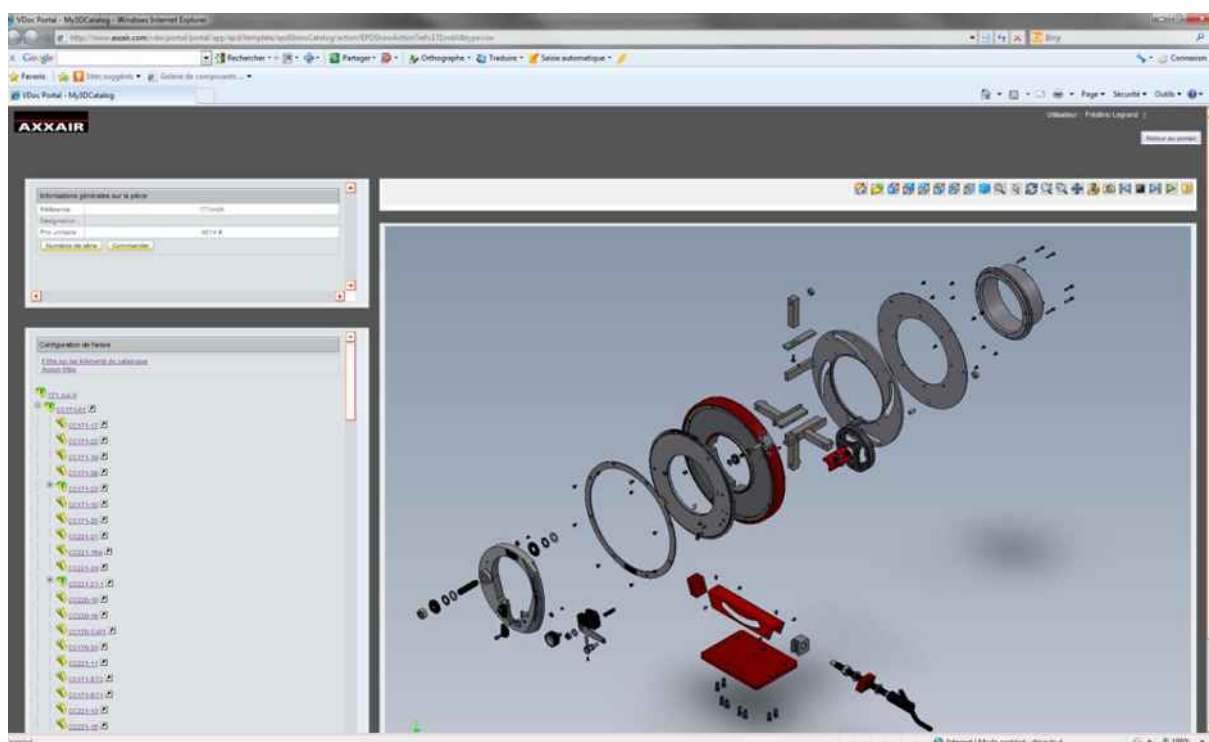
This policy has been consolidated by the creation of a dedicated **customer service** department two years ago.

This department manages After-Sales Service/Repair, training and samples, in both French and English.

Replacement parts:

Our system centralizes data from CAD sources and the assembly plant, and provides traceability using the part Serial Number and commercial management to integrate part prices. This system is integrated into our secure extranet and allows us to find the precise drawing number corresponding to your part in real time and consequently to quickly get the right part to you anywhere in the world.

AXXAIR SERVICE PORTAL / Partner interface



CUSTOMER SERVICE

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Customer samples:

We create samples for our customers and prospective customers. As a result, you can view welding quality and even perform validation testing before purchasing! When purchasing equipment, we provide you with a welding report detailing all of the programs used, so that you don't have to repeat them.

Training:

We provide training in cutting, bevelling and orbital welding. Upon training completion, all trainees are issued a comprehensive training manual and an AXXAIR Diploma.

We also provide the same types of training programs at customer premises.

Transport organization:

We organize 95% of transportation operations for our customers, worldwide and with or without tracking.

BF011096		21/06/11	Your VAT N°: DE 2/4051181		
Shipment terms:					
Reference	Description	Qty	Unit Price	AMOUNT €	
LS6844TIN	Saw blade dia. 68x1.6x12Z=44 in HSS 5% Co in titanium	30	10,80	324,00 €	
PORTVEXAP	EXAPAQ Tracking N°250 826 883 26 57 2	1	20,00	20,00 €	

Logistical Supply Chain:

We are able to supply your merchandise next-day after ordering for the Cutting and Bevelling Range (for quantities < 5), and within two weeks for the Welding Range (quantities < 5).

Equipment warranty:

We offer a 2-yearS warranty after delivery for all of our equipment (see Terms and Conditions of Sale). All of our suppliers are selected to meet stringent Quality criteria. Please see the detailed Warranty clauses in the General Terms and Conditions of Sale.

NEW PRODUCTS

Innovation is at the core of our strategy. Each year, we create between 4 and 6 new projects, depending on the size and degree of innovation involved.

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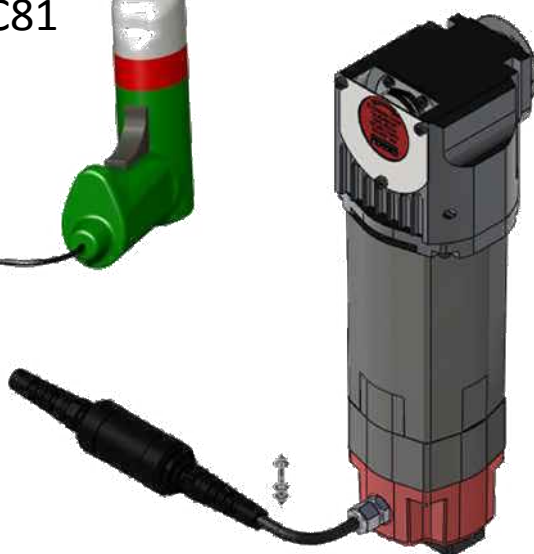
SATP-80



CC81



SASL-160TRA



MS18



SASL-160T



SASL-300T

Global Process

Since 1999, the year in which AXXAIR SAS launched its orbital welding activities, the company has taken a leap forward with its global offer strategy!

In doing so, we are able to propose innovative solutions in cutting, bevelling and orbital welding that will allow you to take a global approach to your piping and boiler-making projects.

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Cutting



Bevelling



Prefab
welding



In-line
welding



Power sources



In-line
welding

Markets

Our machines aims at high added value potential markets dealing with pipes and tubes.

Food processing industry: thin tubes processes with precise and repeat requirements on cutting and welding processes (food and liquid plants)



Semiconductor :: pure water, pure gaz and air compressed tubes networks installation, These processes require precise cutting and 100% radio controlled orbital welding.



pharmaceutical industry : thin tubes processes with precise and repeat requirements on cutting and welding processes to avoid bacteria exchange on the weld. 100 % radio controlled welds (according to countries and local standards)

Aeronautics: thin titanium tubes processes on cooling networks. Orbital cutting is mandatory and the weld is done under gaz protection, with closed heads.

Chemistry – oil industries: Special pipes Stainless steel processes (Refractory and corrosion resistant). A full process of cutting, bevelling and welding is applied to the pipes, with AVC and oscillatin, for 100% radio controlled welds

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Markets - Examples

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Nuclear : processing tubes and pipes
on secondary fluid networks

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Markets : Sea water desalination, tube
production and customized cutting
and/or bevelling, cryogenics, urban
street elements stainless steel



Tube cutting and
welding for drinking
water network
(Pamplona, Espagne)

Cutting, bevelling and
welding with AVC/OSC,
Solar plant



Clean room big diameter
cutting

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MARCHES CIBLES

Examples



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GLOBAL
PROCESS

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ORBITAL CUTTING



Ø 0,25" to Ø 3"
(Ø 5 to Ø 78 mm)



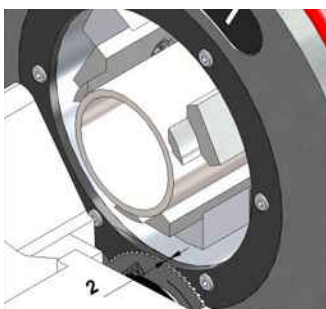
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Technical characteristics:

- Ø 0,25" to 3": very **wide range** of use
- **Cutting precision:**
 - perpendicular cuts < 0.25 mm
 - seamless cutting
- **Weight:** 15 kg (easy handling)
- Ideal for use at **worksites**

ADVANTAGES



Blade-jaws distance of
2 mm
Limits vibration and
distortion with thin and
small-diameter tubes



Concentric clamping
with **3 jaws in stainless
steel** to eliminate tube
distortion



Worksite carry case

Accessories	Motors	References	Consumables
CCSER1: simple stand	M21: Kress 220 V Thicknesses < 7 mm	81M21	LS6872: 1 to 3 mm
CCSER2: stand with bearings	M11: Metabo 110 V Thicknesses < 7 mm	81M11	LS6844: 2 to 7 mm
			LS63100: 0.7 to 1.5 mm CCLUP: paste lubricant

Ø 0,25" to Ø 4,5"
(Ø 5 to Ø 121 mm)



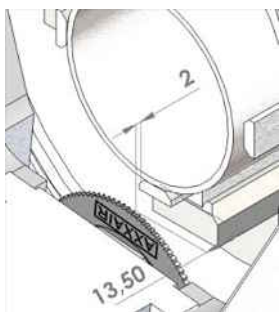
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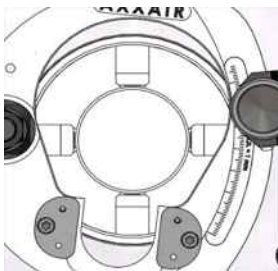
Technical characteristics:

- Basic jaws Ø 1" to Ø 4,5" (24 to 121 mm)
- Additional jaws Ø 0,25 to Ø 4,25" (5 to 108 mm)
- **Cutting precision:**
perpendicular cuts < 0.25 mm
- Dual-output cutting motor with 2 blade positions for uptake
- **Weight: 36 kg** (easy handling)

ADVANTAGES



Blade-jaw distance of
2/13.5 mm
Limits vibration and
tube distortion



Concentric clamping with **4**
jaws **in stainless steel,**
standard, to eliminate tube
distortion



Penetration check feature:
operator safety feature

Accessories	Motors	References	Consumables
CCPS21: support feet	MD21: Métabo 1010 W, 220 V, Thickness < 7 mm	121ECO2	LS6872: 1 to 3 mm
CCBSB-01: bench with height adjustment - 1.5 m	MD11: Métabo 1010 W, 110 V, Thickness < 7 mm	121ECO1	LS6844: 2 to 7 mm
CCBSB-02: additional 1.5 m bench			LS63100: 0.7 to 1.5 mm
CCDT: extended penetration lever			CCLUP: paste lubricant
CCSER1/CCSER2: simple/bearing stand			

Ø 0,25" to Ø 4,5"
(Ø 5 to Ø 121 mm)

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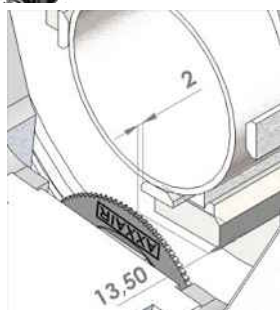
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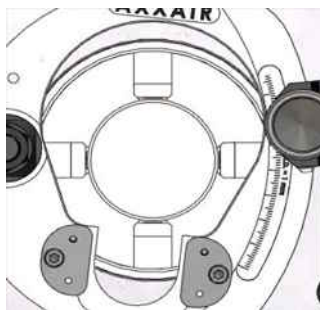
Technical characteristics:

- Basic jaws Ø 1" to Ø 4,5" (24 to 121 mm)
- Additional jaws Ø 0,25 to Ø 4,25" (5 to 108 mm)
- **Cutting precision:**
perpendicular cuts < 0.25 mm
- **Scalability:** May be transformed into a bevelling and orbital welding machine
- Dual-output cutting motor with 2 blade positions for uptake
- **Weight:** 37 kg (easy handling)

ADVANTAGES



Blade-jaw distance of **2/13.5** mm. Limits vibration and tube distortion



Concentric clamping with 4 jaws in **stainless steel, standard**, to eliminate tube distortion



Motors:
slow, fast,
pneumatic



Rotation handle as **standard**: extends blade life and optimizes cutting quality

Accessories	Motors	References	Consumables
CCPS21: support feet	FS29: 220 V Thicknesses SS < 5 mm	121FS29	LS6872: 1 to 3 mm LS6844: 2 to 7 mm
CCBSB-01: bench with height adjustment - 1.5 m	FS19: 110 V Thicknesses SS < 5 mm	121FS19	LS8080: 1 to 3 mm LS8054: 2 to 7 mm
CCBSB-02: additional 1.5 m bench	FS25: 220 V Thicknesses SS > 5 mm	121FS25	LS8034: 5 to 12 mm
CCDT: extended penetration lever	FS15: 110 V Thicknesses SS > 5 mm	121FS15	LS9038: 5 to 15 mm
SAEA: electric rotation	MOPD: pneumatic 60 to 110 rpm, air flow rate 1500 l/min at 6 bar	121PD	LS63100: 0.7 to 1.5 mm CCLUH: lubricant
CCSER1/CCSER2: simple/bearing stand			

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GLOBAL PROCESS

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CC121

ORBITAL CUTTING RANGE

Ø 0,625" to Ø 6,625"
(Ø16 to Ø 170 mm)



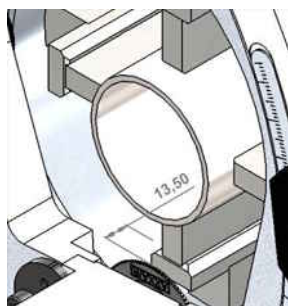
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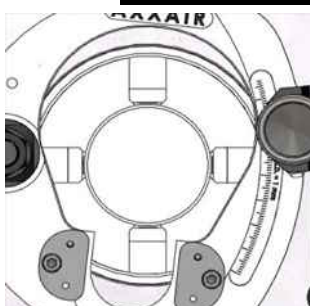
Technical characteristics:

- Basic jaws Ø 2,75" to Ø 6,625" (70 to 170 mm)
- Additional jaws Ø 0,625" to Ø 4,65" (16 to 118 mm
- **Cutting precision:** perpendicular cutting < 0.25 mm
- **Scalability:** may be transformed into a bevelling and orbital welding machine
- Dual-output cutting motor with 2 blade positions for uptake
- **Weight:** 44 kg (easy handling)

ADVANTAGES



Blade-jaws distance of **13.5 mm**
Limits vibration and tube distortion



Concentric clamping with 4 jaws in **stainless steel, standard**, to eliminate tube distortion



Motors: slow, fast, pneumatic



Rotation handle as **standard**: extends blade life and optimizes cutting quality

Accessories	Motors	References	Consumables
CCPS21: support feet	FS29: 220 V Thicknesses SS < 5 mm	171FS29	LS6872: 1 to 3 mm LS6844: 2 to 7 mm
CCBSB-01: bench with height adjustment - 1.5 m	FS19: 110 V Thicknesses SS < 5 mm	171FS19	LS8080: 1 to 3 mm LS8054: 2 to 7 mm
CCBSB-02: additional 1.5 m bench	FS25: 220 V Thicknesses SS > 5 mm	171FS25	LS8034: 5 to 12 mm
CCDT: extended penetration lever	FS15: 110 V Thicknesses SS > 5 mm	171FS15	LS9038: 5 to 15 mm
SAEA: electric rotation	MOPD: pneumatic 60 to 110 rpm, air flow rate 1500 l/min at 6 bar	171PD	LS63100: 0.7 to 1.5 mm CCLUH: lubricant
CCSER1/CCSER2: simple/bearing stand			

Ø 2" to Ø 8,625"
(Ø59 to Ø 225 mm)



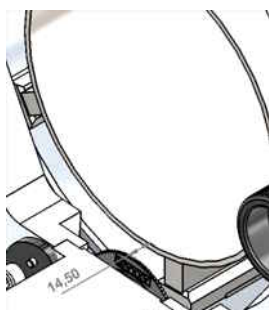
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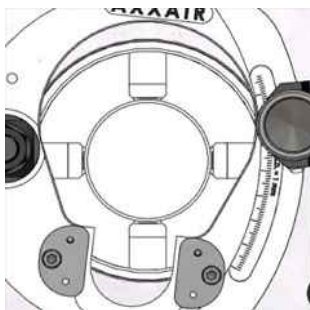
Technical characteristics:

- Basic jaws Ø 4,55" to 8,625" (Ø 116 to Ø 225 mm)
- Additional jaws Ø 2" to Ø 6,65" (Ø 59 to Ø 169 mm)
- **Cutting precision:** perpendicular cutting < 0.25 mm
- Dual-output cutting motor with 2 blade positions for uptake
- **Scalability:** may be transformed into a bevelling and orbital welding machine
- **Weight:** 51 kg (easy handling)

ADVANTAGES



Blade-jaws distance of **14.5 mm**
Limits vibration and tube distortion



Concentric clamping with **6 jaws in stainless steel, standard**, to eliminate tube distortion



Choice of slow, fast, pneumatic



Rotation handle as **standard**: extends blade life and optimizes cutting quality.

Accessories	Motors	References	Consumables
CCPS21: support feet	FS29: 220 V Thicknesses SS < 5 mm	221FS29	LS6872: 1 to 3 mm LS6844: 2 to 7 mm
CCBSB-01: bench with height adjustment - 1.5 m	FS19: 110 V Thicknesses SS < 5 mm	221FS19	LS8080: 1 to 3 mm LS8054: 2 to 7 mm
CCBSB-02: additional 1.5 m bench	FS25: 220 V Thicknesses SS > 5 mm	221FS25	LS8034: 5 to 12 mm
SAEA: electric rotation	FS15: 110 V Thicknesses SS > 5 mm	221FS15	LS9038: 5 to 15 mm
CCSER1CCSER1/CCSER2: simple/bearing stand	MOPD: pneumatic 60 to 110 rpm, air flow rate 1500 l/min at 6 bar	221PD	LS63100: 0.7 to 1.5 mm CCLUH: lubricant

Ø 5,5" to Ø 12,75"
(Ø140 to Ø 330 mm)

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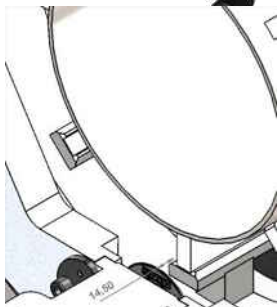
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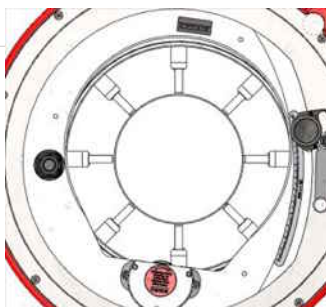
Technical characteristics:

- Basic jaws Ø 8,5" to 12,75" (Ø 216 to Ø 330 mm)
- Additional jaws Ø5,5" to Ø 10" (Ø 140 to Ø 256 mm)
- **Cutting precision:** perpendicular cutting < 0.25 mm
- Dual-output cutting motor with 2 blade positions for uptake
- **Scalability:** may be transformed into a bevelling and orbital welding machine
- Lifting eye
- **Weight:** 73 kg (easy handling)

ADVANTAGES



Blade-jaws distance of **14 mm**
Limits vibration and tube distortion



Concentric clamping with **8 jaws in stainless steel, standard**, to eliminate tube distortion



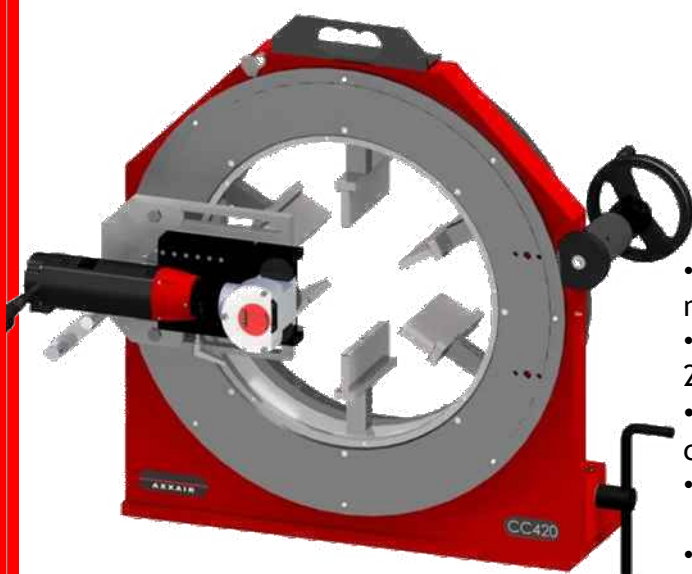
Motors:
slow, fast, pneumatic



Rotation handle as **standard:** extends blade life and optimizes cutting quality

Accessories	Motors	References	Consumables
CCPS21: support feet	FS29: 220 V Thicknesses SS < 5 mm	321FS29	LS6872: 1 to 3 mm LS6844: 2 to 7 mm
CCBSB-01: bench with height adjustment - 1.5 m	FS19: 110 V Thicknesses SS < 5 mm	321FS19	LS8080: 1 to 3 mm LS8054: 2 to 7 mm
CCBSB-02: additional 1.5 m bench	FS25: 220 V Thicknesses SS > 5 mm	321FS25	LS8034: 5 to 12 mm
SAEA: electric rotation	FS15: 110 V Thicknesses SS > 5 mm	321FS15	LS9038: 5 to 15 mm
CCSER1CCSER1/CCSER2: simple/bearing stand	MOPD: pneumatic 60 to 110 rpm, air flow rate 1500 l/min at 6 bar	321PD	CCLUH: lubricant

Ø 8,625" to Ø 16"
(Ø 215 to Ø 420 mm)



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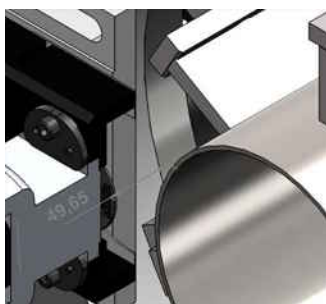
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Technical characteristics:

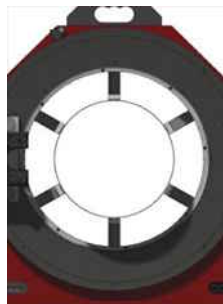
- Basic jaws Ø 12" to 16" (Ø 306 to Ø 420 mm)
- Additional jaws Ø 8,625" to 12,75" (Ø 215 to Ø 320 mm)
- **Cutting precision:** perpendicular cutting < 0.25 mm
- Dual-output cutting motor with 2 blade positions for uptake
- Lifting eye

• **Weight:** 148 kg

ADVANTAGES



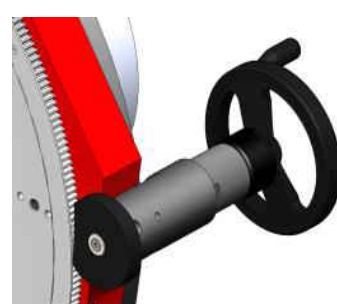
Blade-jaws distance of **49.65 mm**
Limits vibration and tube distortion



Concentric clamping with **6 jaws in stainless steel, standard**, to eliminate tube distortion



Motors: slow, fast, pneumatic



Rotation handle as **standard**: extends blade life and optimizes cutting quality

Accessories	Motors	References	Consumables
On request	FS29: 220 V Thicknesses SS < 5 mm	420FS29	LS6872: 1 to 3 mm LS6844: 2 to 7 mm
	FS19: 110 V Thicknesses SS < 5 mm	420FS19	LS8080: 1 to 3 mm LS8054: 2 to 7 mm
	FS25: 220 V Thicknesses SS > 5 mm	420FS25	LS8034: 5 to 12 mm
	FS15: 110 V Thicknesses SS > 5 mm	420FS15	LS9038: 5 to 15 mm
	MOPD: pneumatic 60 to 110 rpm, air flow rate 1500 l/min at 6 bar	420PD	CCLUH: lubricant

Ø 12,75" to Ø 20"
(Ø 315 to Ø 519 mm)

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Technical characteristics:

- Basic jaws Ø 15,5" to 20" (Ø 394 to Ø 519 mm)
- Additional jaws Ø 12,75" to 17" (Ø 315 to Ø 434 mm)
- **Cutting precision:** perpendicular cuts < 0.4 mm
- Dual-output cutting motor with 2 blade positions for uptake
- Lifting eye
- **Weight:** 250 kg

ADVANTAGES



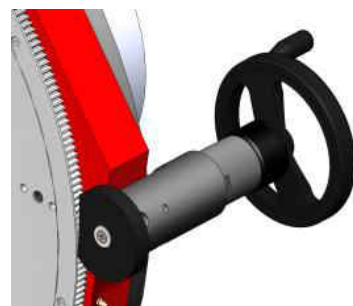
Blade-jaw distance of **50.5 mm**
Limits vibration and tube distortion



Concentric clamping with **6 jaws in stainless steel**, to eliminate tube distortion



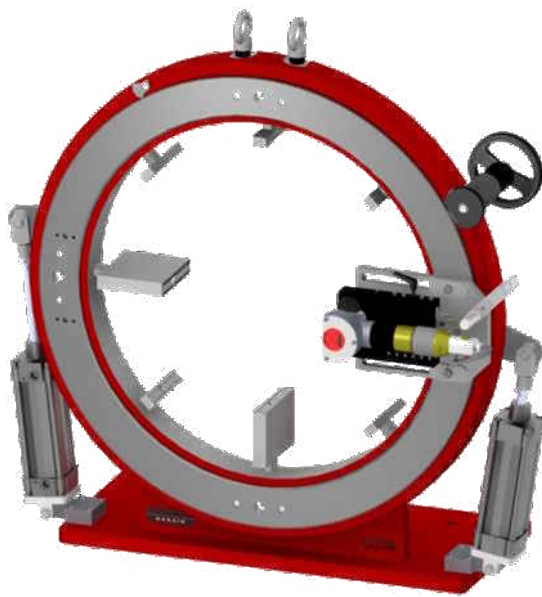
Choice of motors:
slow, fast, pneumatic



Rotation handle as standard: extends blade life and optimizes cutting quality

Accessories	Motors	References	Consumables
On request	FS29: 220 V Thicknesses SS < 5 mm	520FS29	LS6872: 1 to 3 mm LS6844: 2 to 7 mm
	FS19: 110 V Thicknesses SS < 5 mm	520FS19	LS8080: 1 to 3 mm LS8054: 2 to 7 mm
	FS25: 220 V Thicknesses SS > 5 mm	520FS25	LS8034: 5 to 12 mm
	FS15: 110 V Thicknesses SS > 5 mm	520FS15	LS9038: 5 to 15 mm
	MOPD: pneumatic 60 to 110 rpm, air flow rate 1500 l/min at 6 bar	520PD	CCLUH: lubricant

Ø 16"to Ø 24"
(Ø 406 to Ø 610 mm)



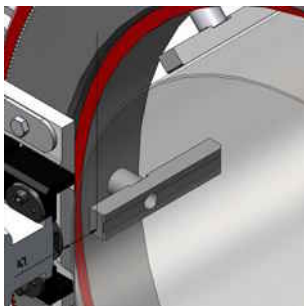
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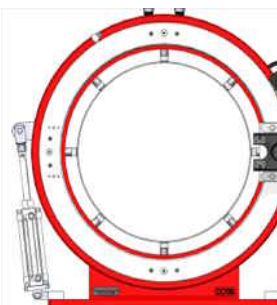
Technical characteristics:

- Basic jaws Ø 16" to 24" (Ø 406 to Ø 610 mm)
- Set of jaws supplied:
406.40, 457.2, 508, 610 mm
- **Cutting precision:** perpendicular cutting < 0.4 mm
- Pneumatic clamping
- Lifting eye
- **Weight:** 400 kg

ADVANTAGES



Blade-jaws distance of **47 mm**.
Limits vibration and tube distortion



Concentric clamping with **8 jaws in stainless steel, standard**, to eliminate tube distortion



Pneumatic motor



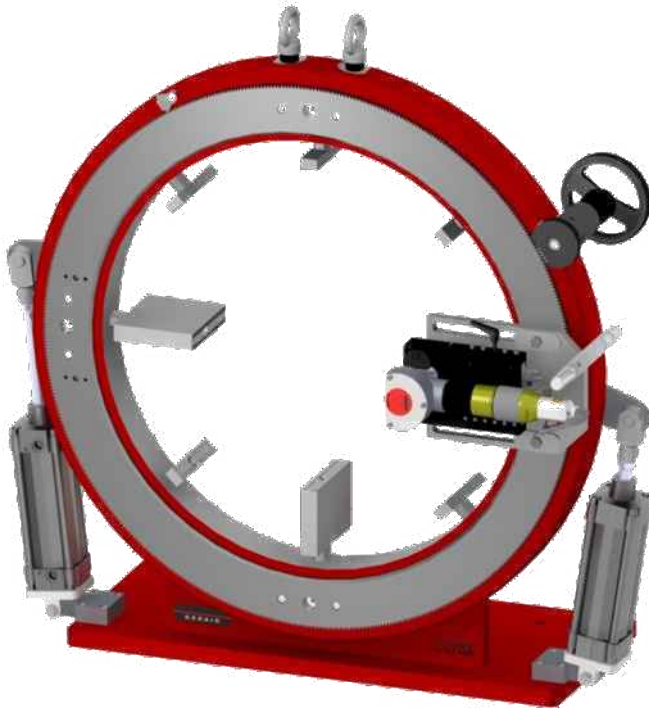
Rotation handle as standard: extends blade life and optimizes cutting quality

Accessories	Motors	References	Consumables
On request	MOPD: pneumatic 60 to 110 rpm, air flow rate 1500 l/min at 6 bar	620PD	LS6872: 1 to 3 mm LS6844: 2 to 7 mm
			LS8080: 1 to 3 mm LS8054: 2 to 7 mm
			LS8034: 5 to 12 mm
			LS9038: 5 to 15 mm
			CCLUH: lubricant

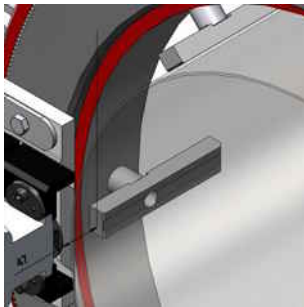
\varnothing 18" to \varnothing 28"(\varnothing 457 to \varnothing 711 mm)

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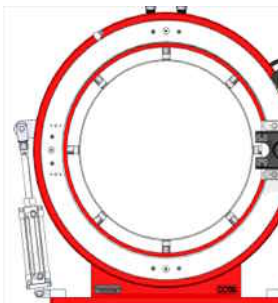
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Technical characteristics:

- Basic jaws \varnothing 18" to \varnothing 28" (\varnothing 457 to \varnothing 711 mm)
- Set of jaws supplied:
457.2, 508, 610, 711.2 mm
- **Cutting precision:** perpendicular cutting < 0.4 mm
- Pneumatic clamping
- Lifting eye
- **Weight:** 450 kg

ADVANTAGES

Blade-jaws distance of
47 mm.
Limits vibration and
tube distortion



Concentric clamping
with **8 jaws** in **stainless
steel, standard,** to
eliminate tube
distortion

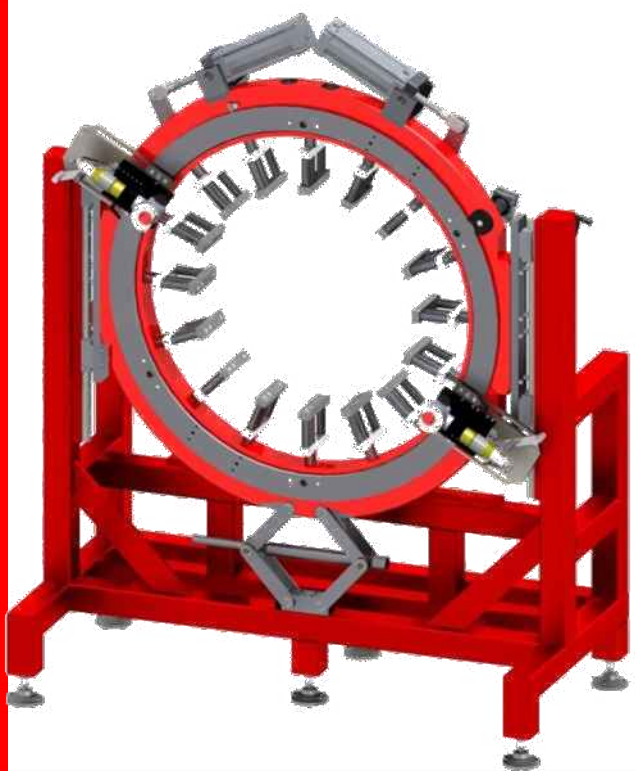


Pneumatic
motor



Rotation handle as
standard: extends
blade life and
optimizes cutting
quality

Accessories	Motors	References	Consumables
On request	MOPD: pneumatic 60 to 110 rpm, air flow rate 1500 l/min at 6 bar	720PD	LS6872: 1 to 3 mm LS6844: 2 to 7 mm
			LS8080: 1 to 3 mm LS8054: 2 to 7 mm
			LS8034: 5 to 12 mm
			LS9038: 5 to 15 mm
			CCLUH: lubricant

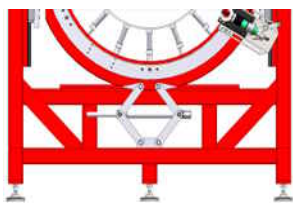
\varnothing 28" to \varnothing 40"(\varnothing 711 to \varnothing 1016 mm)

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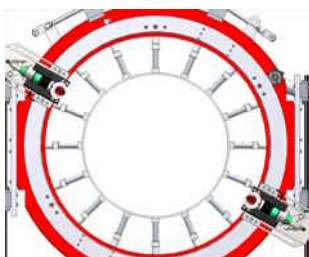
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Technical characteristics:

- Basic jaws \varnothing 28" to 40" (\varnothing 711 to \varnothing 1016 mm)
- **Cutting precision:** perpendicular cuts < 0.4 mm
- **Weight:** 900 kg

ADVANTAGES

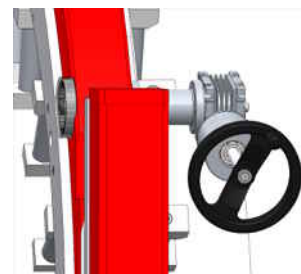
Machine height
adjustment machine



Concentric clamping with
16 jaws in stainless steel,
standard, to eliminate
distortion of thin tubes



Automatic
pneumatic clamping



Rotation handle as standard:
extends blade life and
optimizes cutting quality

Accessories	Motors	References	Consumables
On request	MOPD: pneumatic 60 to 110 rpm, air flow rate 1500 l/min at 6 bar	720PD	LS6872: 1 to 3 mm LS6844: 2 to 7 mm
			LS8080: 1 to 3 mm LS8054: 2 to 7 mm
			LS8034: 5 to 12 mm
			LS9038: 5 to 15 mm
			CCLUH: lubricant

ORBITAL CUTTING RANGE ACCESSORIES



GA10-2-XX



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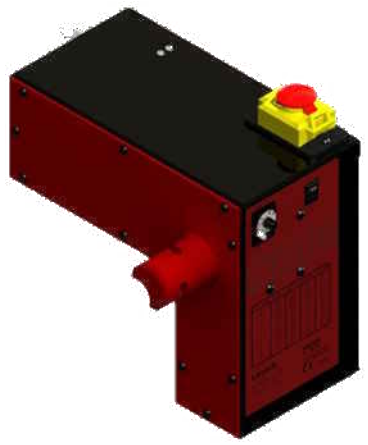
CCDT



FS XX



MOPD



SAEA

Accessories	Motors	Options
CCDT: extended penetration lever	FS29: 220 V FS19: 110 V	SAEA: electric rotation
	FS25: 220 V FS15: 110 V	GA10-2-120: 220 V GA10-2-170: 220 V GA10-2-220: 220 V GA10-2-320: 220 V
	MOPD: pneumatic	GA10-1-120: 110 V GA10-1-170: 110 V GA10-1-220: 110 V GA10-1-320: 110 V



CCPS21



CCBS-01



CCBS-02



CCSER1



CCSER2

Accessories

CCPS21: support feet for CC121 to CC321

CCBS-01: bench with height adjustment of 1.5 m for CC81 to CC321

CCBS-02: additional 1.5 m bench for CC81 to CC321

CCSER1: simple stand

CCSER2: bearing stand

ORBITAL CUTTING RANGE CONSUMABLES



Ref./Description	Ref./Description
LS63128: from 0.5 to 0.9 mm LS63100: from 0.7 to 1.5 mm	LC300: 30° bevelling blade
LS6364: from 1 to 3 mm LS6872: from 1 to 3 mm	LC375: 37.5° bevelling blade
LS6844: from 2 to 7 mm LS8034: from 5 to 12 mm	
LS8054: from 2 to 7 mm LS8080: from 1 to 3 mm	
LS9038: from 5 to 15 mm	



CCLUH

Chemical nature

PREPARATION :

Product manufactured with highly refined mineral oils containing less than 3% PAH according to IP 346 method

Substances presenting a health hazard	EC No.	CAS No.	Content	Symbol(s)	R-phrases
Distillates (petroleum), hydrotreated heavy naphthenic	265-155-0	64742-52-5	<50 %	-	
Chlorinated paraffin, C14-C28	264-150-0	83449-39-8	<50 %	-	

SEE SECTION 16 FOR EXPLANATIONS OF R-PHRASES

Composition comments

Dangerous impurities:
None known under normal use conditions.

Risk phrases

None

Safety phrases

None

Other

Safety data sheet available for professional user on request.

Ingrédients dangereux: PETROLEUM PARAFFIN WAX 15-30%
• PARAFFINIC MINERAL OIL 5-15%
EINECS: 265-096-0 CAS: 64741-95-3

Symboles des risques: Aucun danger important.

Phrases R: Aucun

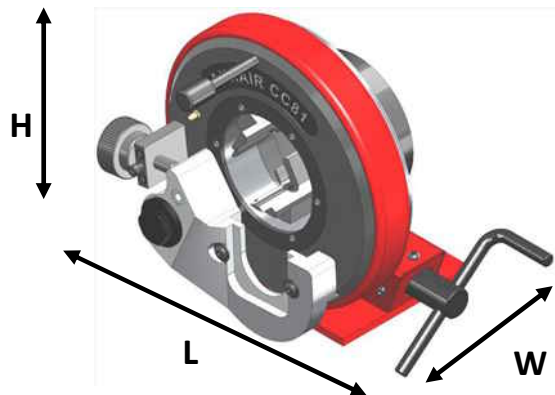
Phrases S: Aucun




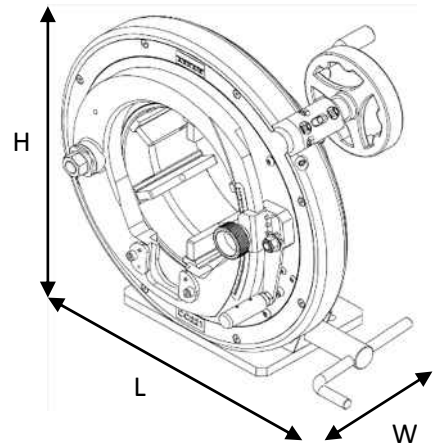
CCLUP

References	References	Options
CCLUH: hi-performance liquid lubricant		
CCLUP: paste lubricant for use with M21 and M11		

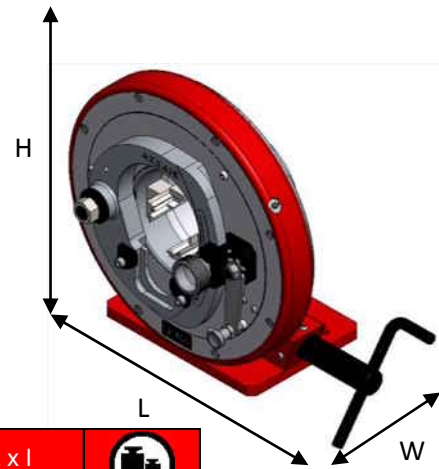
ORBITAL CUTTING RANGE CC DIMENSIONS




	Ø min	Ø max	Ep mm	H x L x l Mm	
CC81	5 mm 1/16"	78 mm 2 1/2"	0.5 à 7	263x346x236	15 kg

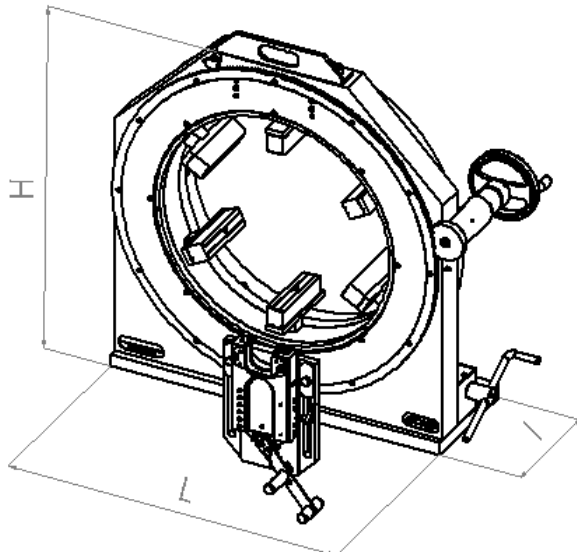



	Ø min	Ø max	Ep mm	H x L x l Mm	
CC121	5 mm 1/16"	121 mm 4.5"	0.7 à 15	432x520x297	37 kg
CC171	16 mm 3/8"	170 mm 6"	0.7 à 15	474x545x297	44 kg
CC221	59 mm 2"	225 mm 8"	1 à 15	515x570x320	51 kg
CC321	140 mm 5"	330mm 12"	1.5 à 15	674x636x320	73 kg

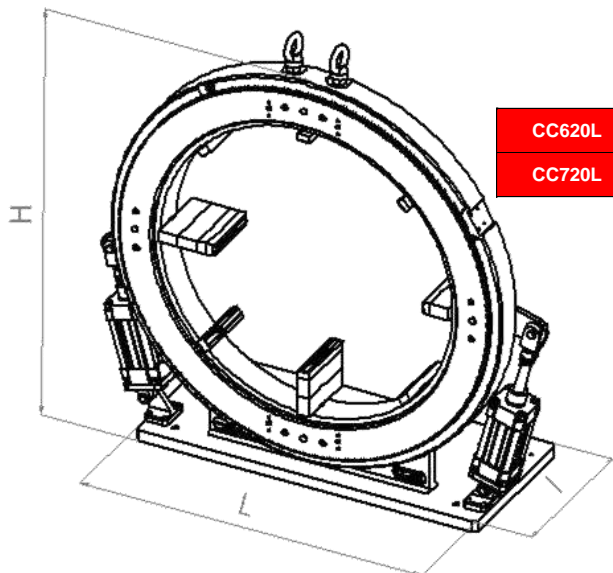



	Ø min	Ø max	Ep mm	H x L x l Mm	
CC121ECO	5 mm 1/16"	121 mm 4.5"	0.5 à 7	432x520x297	36 kg

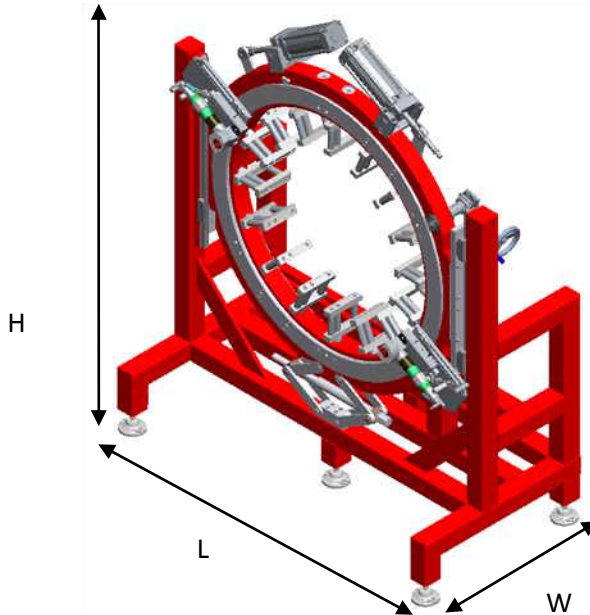
ORBITAL CUTTING RANGE CC DIMENSIONS




	Ø min	Ø max	Ep mm	H x L x l Mm	
CC420	215 mm 8"	420 mm 16"	1.5 à 15	791x690x260	148 kg
CC520	315 mm 12"	520mm 20"	1.5 à 15	901x790x281	250 kg



	Ø min	Ø max	Ep mm	H x L x l Mm	
CC620L	406.40 mm 16"	610 mm 24"	1.5 à 15	1085x1050x488	400 kg
CC720L	457.20 mm 18"	711.2 mm 28"	1.5 à 15	1095x1117x488	450 kg



	Ø min	Ø max	Ep mm	L x l x H mm	
CC1100	711.2 mm	1016 mm	6 mm	1890x975x2400	900 kg

ORBITAL BEVELLING



Ø 0,25" to Ø 4,5"
(Ø15 to Ø121 mm)



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Technical characteristics:

- Basic jaws Ø 1" to 4,5" (Ø 24 to Ø 121 mm)
- Additional jaws Ø 0,25" to 4,25" (Ø 15 to Ø 108 mm)
- Supplied with plastic protection and profile guide
- **Technology:** screw carbide inserts: 10 x faster than HSS tools. Superior service life
- **Patented System**
- **Scalability:** may be transformed into a cutting and orbital welding machine
- **Weight:** 37 kg (easy handling)

ADVANTAGES



V bevel with profile guide roller



J bevel with profile guide roller



Outer profile guide system: to account for tube "out of round"



Rotation handle as standard: extends tool service life

Accessories	Motors	References	Consumables
CCPS21: support feet	GA103015-2: 220 V	GA121-2	PC30-08-B02: carbide inserts
CCBSB-01: bench with height adjustment - 1.5 m	GA103015-1: 110 V	GA121-1	TV-300: 30° spinner TV-375: 37.5° spinner TV-450: 45° spinner
CCBSB-02: additional 1.5 m bench			TJ-100: 10° spinner
SAEA: electric rotation			
CCSER1/CCSER2: simple/bearing stand			

Ø 0,625" to Ø 6,625"
(Ø 33 to Ø 170 mm)



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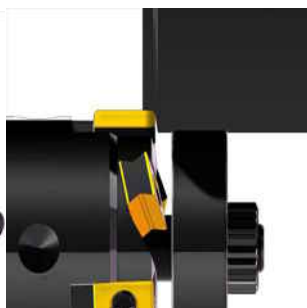
Technical characteristics:

- Basic jaws Ø 2,75" to 6,625 " (Ø 70 to Ø 170 mm)
- Additional jaws Ø 0,625" to 4,65" (Ø 33 to Ø 118 mm)
- Supplied with plastic protection and profile guide
- **Technology:** screw carbide inserts: 10 x faster than HSS tools. Superior service life
- **Patented System**
- **Scalability:** may be transformed into a cutting and orbital welding machine
- **Weight:** 44 kg (easy handling)

ADVANTAGES



V bevel with profile guide roller



J bevel with profile guide roller



Outer profile guide system: to account for tube "out of round"



Rotation handle as standard: extends blade life and optimizes cutting quality

Accessories	Motors	References	Consumables
CCPS21: support feet	GA103015-2: 220 V	GA171-2	PC30-08-B02: carbide inserts
CCBSB-01: bench with height adjustment - 1.5 m	GA103015-1: 110 V	GA171-1	TV-300: 30° spinner TV-375: 37.5° spinner TV-450: 45° spinner
CCBSB-02: additional 1.5 m bench			TJ-100: 10° spinner with 6 rollers
SAEA: electric rotation			
CCSER1/CCSER2: simple/bearing stand			

Ø 2" to Ø 8,625"

(Ø 59 to Ø 225 mm)

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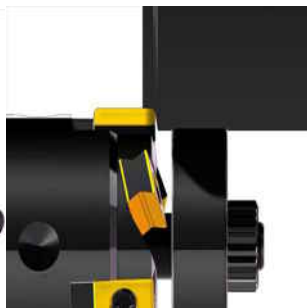
Technical characteristics:

- Basic jaws Ø 4,55" to 8,625" (Ø 116 to Ø 225 mm)
- Additional jaws Ø 2" to 6,65" (Ø 59 to Ø 169 mm)
- Supplied with plastic protection and profile guide
- **Technology:** screw carbide inserts: 10 x faster than HSS tools. Superior service life
- **Patented System**
- **Scalability:** may be transformed into a cutting and orbital welding machine
- **Weight:** 51 kg (easy handling)

ADVANTAGES



V bevel with profile guide roller



J bevel with profile guide roller



Outer profile guide system: to account for tube "out of round"



Rotation handle as standard: extends blade life and optimizes cutting quality

Accessories	Motors	References	Consumables
CCPS21: support feet	GA103015-2: 220 V	GA221-2	PC30-08-B02: carbide inserts
CCBSB-01: bench with height adjustment - 1.5 m	GA103015-1: 110 V	GA221-1	TV-300: 30° spinner TV-375: 37.5° spinner TV-450: 45° spinner
CCBSB-02: additional 1.5 m bench			TJ-100: 10° spinner with 6 rollers
SAEA: electric rotation			
CCSER1/CCSER2: simple/bearing stand			

Ø 5,5" to Ø 12,75"
(Ø 153 to Ø 330 mm)



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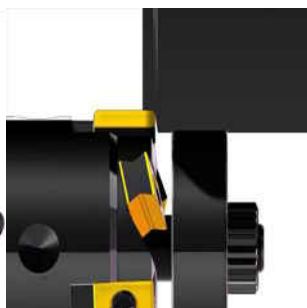
Technical characteristics:

- Basic jaws Ø 8,5" to 12,75" (Ø 216 to Ø 330 mm)
- Additional jaws Ø 5,5" to 10" (Ø 153 to Ø 256 mm)
- **Technology:** screw carbide inserts: 10x faster than HSS tools. Superior service life
- **Patented System**
- **Scalability:** may be transformed into a cutting and orbital welding machine
- **Weight:** 73 kg (easy handling)

ADVANTAGES



V bevel with profile guide roller



J bevel with profile guide roller



Outer profile guide system: to account for tube "out of round"



Rotation handle as standard: extends blade life and optimizes cutting quality

Accessories	Motors	References	Consumables
CCPS21: support feet	GA103015-2: 220 V	GA321-2	PC30-08-B02: carbide inserts
CCBSB-01: bench with height adjustment - 1.5 m	GA103015-1: 110 V	GA321-1	TV-300: 30° spinner TV-375: 37.5° spinner TV-450: 45° spinner
CCBSB-02: additional 1.5 m bench			TJ-100: 10° spinner with 6 rollers
SAEA: electric rotation			
CCSER1/CCSER2: simple/bearing stand			



CCBS-01



CCBS-02



CCSER1



CCSER2



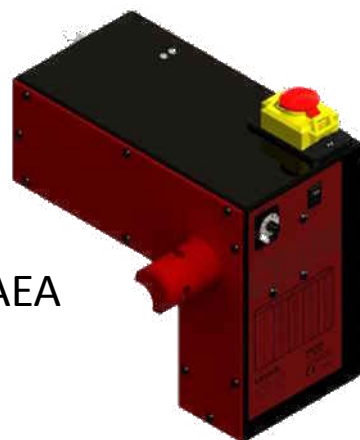
FSXX



CCDT



CCPS21



SAEA

Accessories	Motors	Options
CCPS21: support feet	FS29: cutting motor 220 V, Thicknesses SS < 5 mm	SAEA: electric rotation
CCBS-01: bench with height adjustment - 1.5 m	FS19: cutting motor 110 V, Thicknesses SS < 5 mm	
CCBS-02: additional 1.5 m bench	FS25: cutting motor 220 V, Thicknesses SS > 5 mm	
CCDT: extended penetration lever	FS15: cutting motor 110 V, Thicknesses SS > 5 mm	
CCSER1 and CCSER2: stands with and without bearings	MOPD: Pneumatic cutting motor	



TV-300



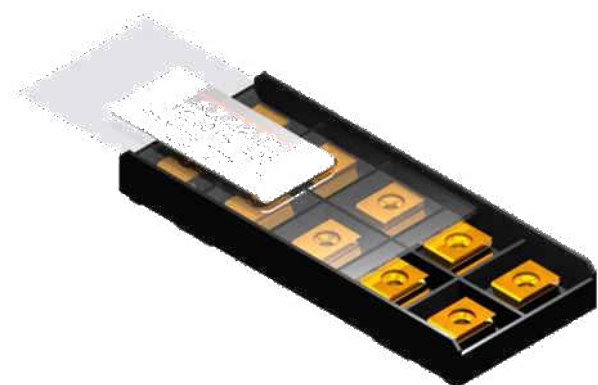
TV-375



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TV-450



PC30-08-B02

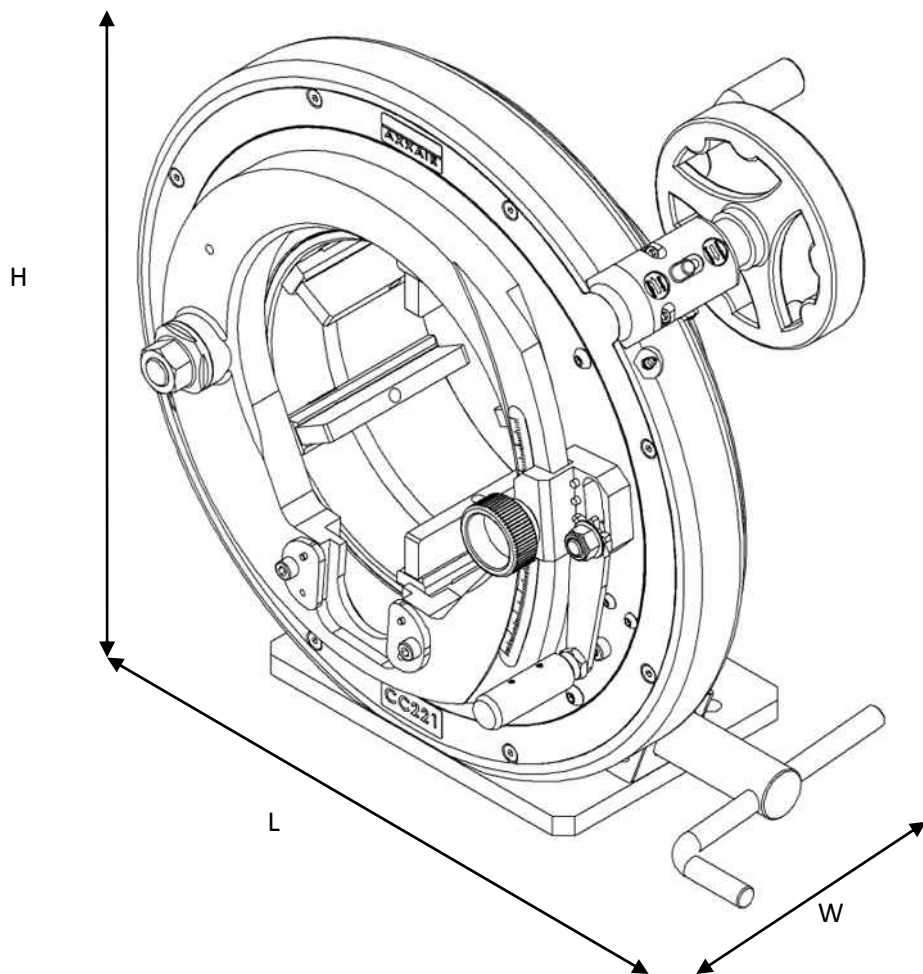



TJ-100

KS30



Accessories	Consumables
TV300: 30° spinner with guide roller	PC30-08-B02: carbide inserts
TV375: 37.5° spinner with guide roller	KS30: insert tightening tool
TV450: 45° spinner with guide roller	
TJ100: 10° J spinner with guide roller	



	Ø min	Ø max	H x L x l Mm	
GA121	15 mm	121 mm	432x520x297	37 kg
GA171	33 mm	170 mm	474x545x297	44 kg
GA221	59 mm	225 mm	515x570x320	51 kg
GA321	153 mm	330 mm	674x636x320	73 kg

ORBITAL WELDING



Ø 0,45" to Ø 4,5"
(Ø 12 to Ø 121 mm)



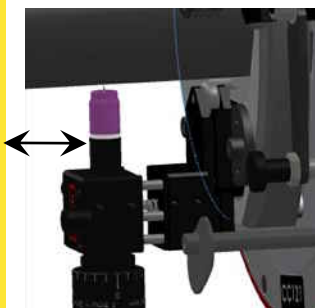
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Technical characteristics:

- Basic stainless steel jaws Ø 1" to 4,5" (Ø 24 to Ø 121 mm)
- Additional stainless steel jaws Ø 0,45" to 4,25" (Ø 12 to Ø 108 mm)
- Wide diameter range
- **Air-cooled:** max. current 100 A at 100%
- **Water-cooled:** max. current 200 A at 100%
- **Scalability:** may be transformed into a cutting and orbital bevelling machine
- **Weight:** 50 kg

ADVANTAGES



Axial adjustment for precise positioning



Axial adjustment for precise positioning



Driven by AXXAIR SASL power source (see table)



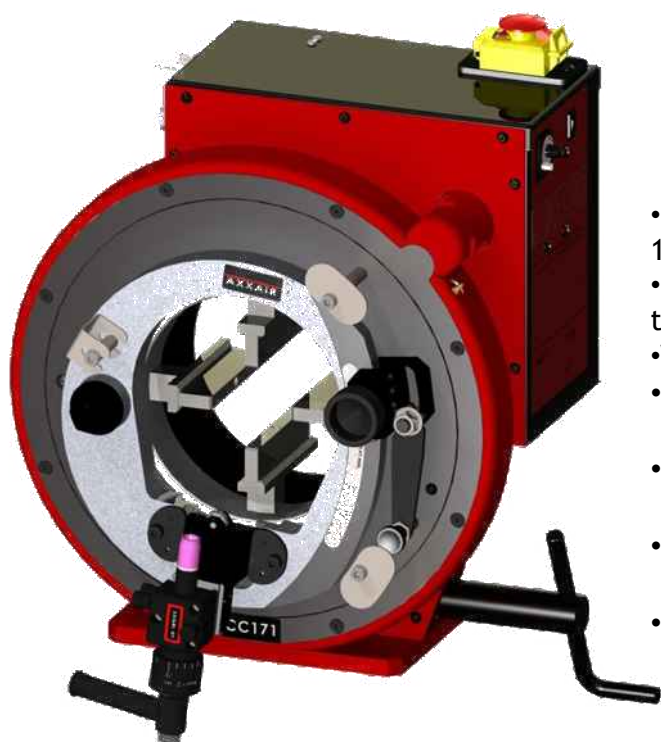
Mechanical profile guide: constant arc voltage

Accessories	Torches	References	Consumables
CCPS21: support feet	SATDA-06: air-cooled torch	SC121-A	SCE16-50
CCBS-01: bench with height adjustment - 1.5 m	SATDE-06: water-cooled torch	SC121-E	SCE24-50
CCBS-02: additional 1.5 m bench			
FS29 / FS25: 220 V FS19 / FS15: 110 V			
GA10-2-120: 220 V GA10-1-120: 110 V			
CCSER1/CCSER2: simple/bearing stand			

Ø 0,625" to Ø 6,625
(Ø 16 to Ø 168 mm)

AXXAIR

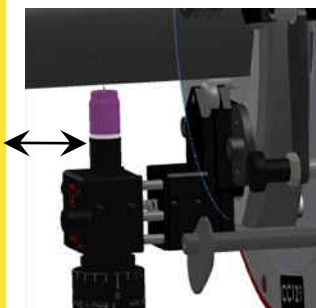
V2 - 02-2012



Technical characteristics:

- Basic jaws Ø 2,75" to 6,625" (Ø 70 to Ø 168 mm)
 - Additional jaws Ø 0,625" to 4,65" (Ø 16 to Ø 118 mm)
 - Wide diameter range
 - **Air-cooled:** max. current 100 A at 100%
 - **Water-cooled:** max. current 200 A at 100%
 - User-friendly and multilingual remote control
 - **Scalability:** may be transformed into a cutting and orbital bevelling machine
- Weight: 57 kg**

ADVANTAGES



Axial adjustment for precise positioning



Axial adjustment for precise positioning



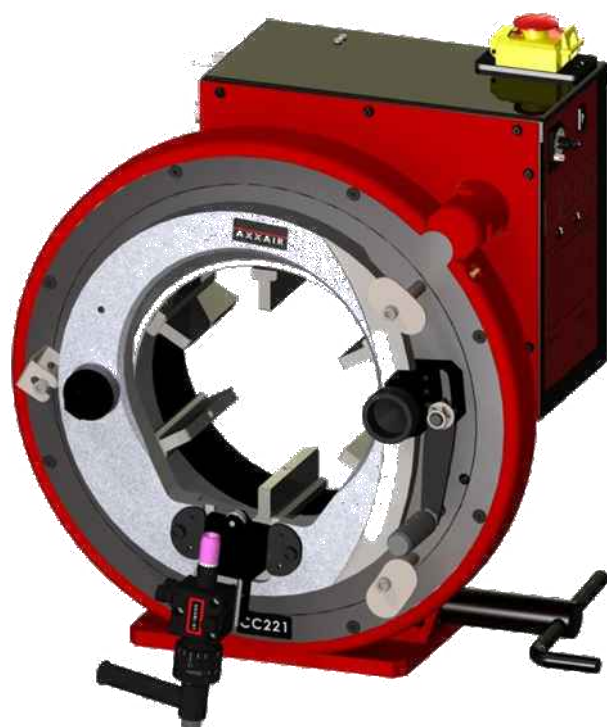
Driven by AXXAIR SASL power source (see table)



Mechanical profile guide: constant arc voltage

Accessories	Torches	References	Consumables
CCPS21: support feet	SATDA-06: air-cooled torch	SC171-A	SCE16-50
CCBS-01: bench with height adjustment - 1.5 m	SATDE-06: water-cooled torch	SC171-E	SCE24-50
CCBS-02: additional 1.5 m bench			
FS29 / FS25: 220 V FS19 / FS15: 110 V			
GA10-2-120: 220 V GA10-1-120: 110 V			
CCSER1/CCSER2: simple/bearing stand			

Ø 2" to Ø 8,625"
(Ø 59 to Ø 219 mm)



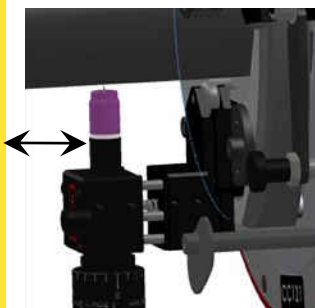
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Technical characteristics:

- Basic jaws Ø 4,5" to 8,625 (Ø 116 to Ø 219 mm)
- Additional jaws Ø 2" to 6,65" (Ø 59 to Ø 169 mm)
- Wide diameter range
- **Air-cooled:** max. current 100 A at 100%
- **Water-cooled:** max. current 200 A at 100%
- User-friendly and multilingual remote control
- **Scalability:** may be transformed into a cutting and orbital welding machine
- **Weight:** 64 kg

ADVANTAGES



Axial adjustment for precise positioning



Axial adjustment for precise positioning



Driven by AXXAIR SASL power source (see table)



Mechanical profile guide: constant arc voltage

Accessories	Torches	References	Consumables
CCPS21: support feet	SATDE-06: water-cooled torch	SC221-E	SCE16-50
CCBS-01: bench with height adjustment - 1.5 m			SCE24-50
CCBS-02: additional 1.5 m bench			
FS29 / FS25: 220 V FS19 / FS15: 110 V			
GA10-2-120: 220 V GA10-1-120: 110 V			
CCSER1/CCSER2: simple/bearing stand			

Ø 5,5" to Ø 12,75"
(Ø 140 to Ø 323 mm)



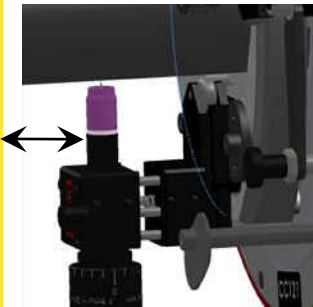
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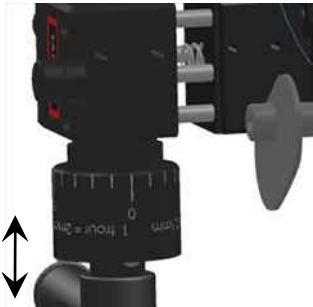
Technical characteristics:

- Basic jaws Ø 8,5" to 12,75" (Ø 216 to Ø 323 mm)
- Additional jaws Ø 5,5" to 10" (Ø 140 to Ø 256 mm)
- Wide diameter range
- **Air-cooled:** max. current 100 A at 100%
- **Water-cooled:** max. current 200 A at 100%
- User-friendly and multilingual remote control
- **Scalability:** may be transformed into a cutting and orbital welding machine
- **Weight:** 86 kg (easy handling)

ADVANTAGES



Axial adjustment for precise positioning



Axial adjustment for precise positioning



Driven by AXXAIR SASL power source (see table)



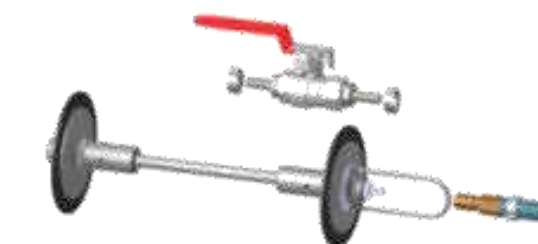
Mechanical profile guide: constant arc voltage

Accessories	Torches	References	Consumables
CCPS21: support feet	SATDE-06: water-cooled torch	SC321-E	SCE16-50
CCBS-01: bench with height adjustment - 1.5 m			SCE24-50
CCBS-02: additional 1.5 m bench			
FS29 /FS25: 220 V FS19 / FS15: 110 V			
GA10-2-120: 220 V GA10-1-120: 110 V			
CCSER1/CCSER2: simple/bearing stand			

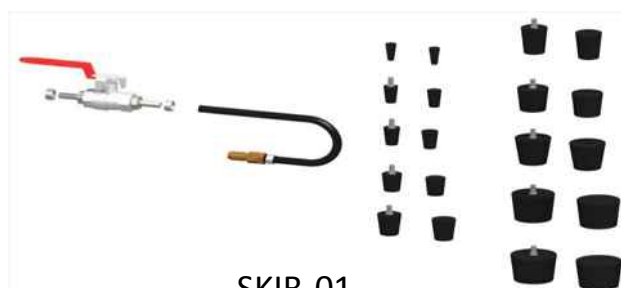
SKTDI



SOAF



SKIF-01



SKIB-01



CCDT

Accessories	Accessories	Consumables	Options
SKIB-01: gas protection kit - plugs Ø 6 to 41 mm		SCE16-50 Ø 1.6 mm SCE24-50 Ø 2.4 mm	SOAF: AVC/OSC for SC with wire feeder and water torch
SKIF-01: gas protection kit - membranes Ø 40 to 120 mm		SKTDI-30: 30° inclined torch kit	
		SKTDI-45: 45° inclined torch kit	



SADDD-15



SADFP-02



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SKTD

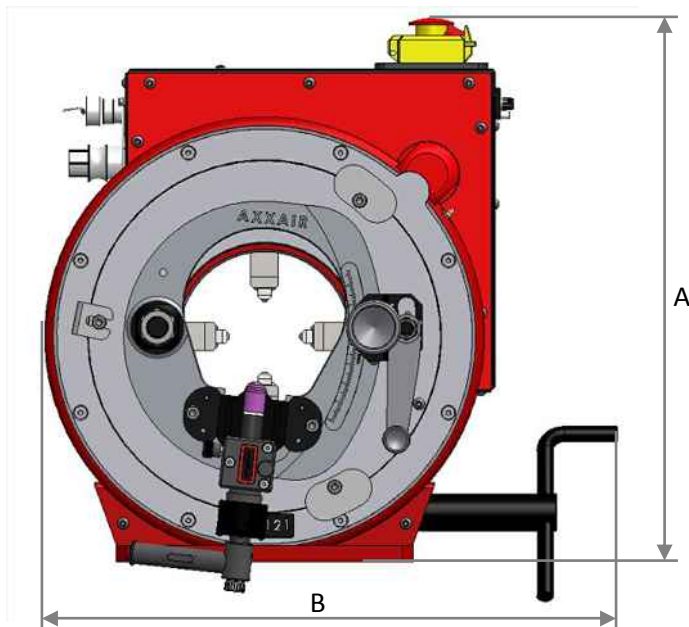
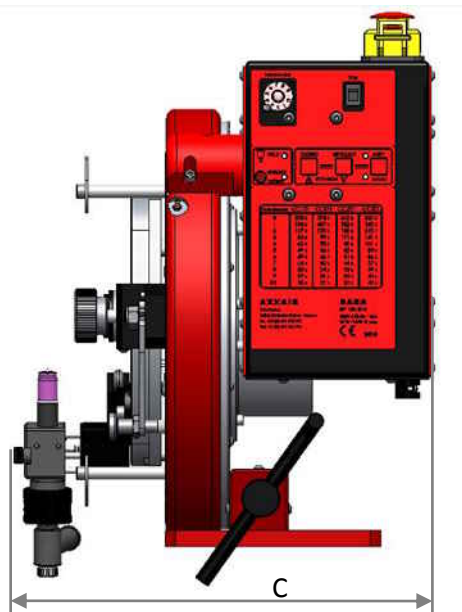




SADF2



SCE24-50

Accessories	Accessories	Consumables
SKTM-01: spares kit for manual torch Ø 1.6 mm	SKTD-02: spares kit for straight torch Ø 2.4 mm	SCE16-50 Ø 1.6 mm SCE24-50 Ø 2.4 mm
SKTM-02: spares kit for manual torch Ø 2.4 mm	SADF2: external wire feeder	
SKTD-01: spares kit for straight torch Ø 1.6 mm		
SADFP-02: wire feeder		



	A mm	B mm	C mm	Ø min	Ø max		
SC121-A / SC121-E	491	521	387	12 mm	121 mm	50 kg	<70dB
SC171-A / SC171-E	533	520	387	16 mm	168.3 mm	57 kg	<70dB
SC221-E	574	545	388	59 mm	219.1 mm	64 kg	<70dB
SC321-E	687	636	388	140 mm	323.9 mm	86 kg	<70dB

Ø 0,25" to Ø 1,5"
(Ø 6 to Ø 40 mm)



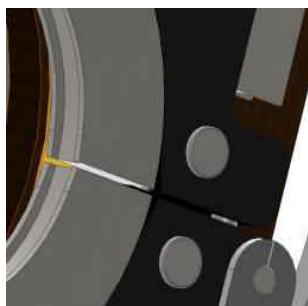
AXXAIR

V2 - 02-2012

Technical characteristics:

- **Water-cooled head**
- **Dual-wing opening**
- **Clamping jaws - stainless steel** (1 kit per diameter)
- **Rod specific to diameter**
- **Motor with coder: allows for rod start-up at all angles**
- **High protection against start-up without rod**
- **Weight: 8.8 kg**

ADVANTAGES



Tool-free jaw fitting



Axial spring-loaded system: to account for tube "out of round"



Driven by AXXAIR SASL-200T power source



Adjustable spring-loaded system: to account for tube "out of round"

Accessories	References	Consumables	Options
SAFS-210 Wire harness extension 10 M	SATF-40ND	SCE16-XX Ø 1.6 mm	SSED-16: offset rod support Ø 1.6 mm offset range 4 to 7.5 mm
SMN40-XX Clamping jaws Ø in mm		SCE24-XX Ø 2.4 mm	SSED-24: offset rod support Ø 1.6 mm offset range 4 to 7.5 mm

Ø 0,25" to Ø 2,5"
(Ø 6 to Ø 65 mm)



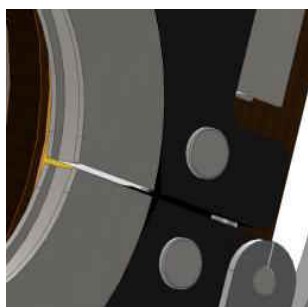
AXXAIR

V2 - 02-2012

Technical characteristics:

- **Water-cooled head**
- **Dual-wing opening**
- **Clamping jaws - stainless steel** (1 kit per diameter)
- **Rod specific to diameter**
- **Motor with coder: allows for rod start-up at all angles**
- **High protection against start-up without rod**
- **Weight: 9.2 kg**

ADVANTAGES



Tool-free jaw fitting



Axial spring-loaded system: to account for tube "out of round"



Driven by AXXAIR SASL-200T power source



Adjustable spring-loaded system: to account for tube "out of round"

Accessories	References	Consumables	Options
SAFS-210 Wire harness extension 10 M	SATF-65ND	SCE16-XX Ø 1.6 mm	SSED-16: offset rod support Ø 1.6 mm offset range 4 to 7.5 mm
SMN65-XX Clamping jaws Ø in mm		SCE24-XX Ø 2.4 mm	SSED-24: offset rod support Ø 1.6 mm offset range 4 to 7.5 mm

Ø 1" to Ø 4,5"
(Ø 25 to Ø 115 mm)



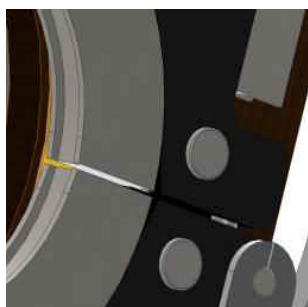
AXXAIR

V2 - 02-2012

Technical characteristics:

- **Water-cooled head**
- **Dual-wing opening**
- **Clamping jaws - stainless steel** (1 kit per diameter)
- **Rod specific to diameter**
- **Motor with coder: allows for rod start-up at all angles**
- **High protection against start-up without rod**
- **Weight: 9.9 kg**

ADVANTAGES



Tool-free jaw fitting



Axial spring-loaded system: to account for tube "out of round"



Driven by AXXAIR SASL-200T power source



Adjustable spring-loaded system: to account for tube "out of round"

Accessories	References	Consumables	Options
SAFS-210 Wire harness extension 10 M	SATF-115ND	SCE16-XX Ø 1.6 mm	SSED-16: offset rod support Ø 1.6 mm offset range 4 to 7.5 mm
SMN115-XX Clamping jaws Ø in mm		SCE24-XX Ø 2.4 mm	SSED-24: offset rod support Ø 1.6 mm offset range 4 to 7.5 mm



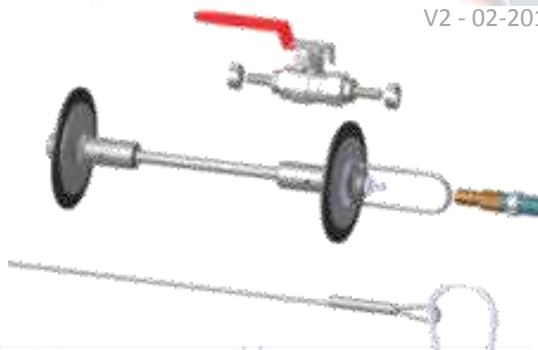
SSED



SMN40-XX
SMN65-XX
SMN115-XX



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SKIF-01



SKIB-01

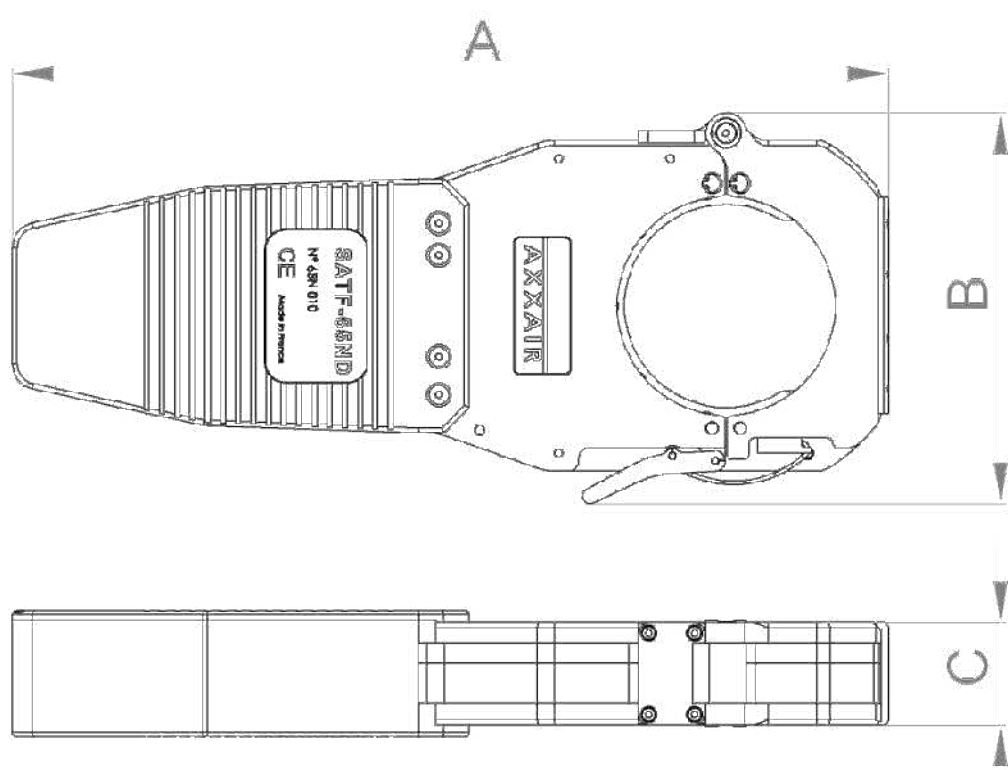




Accessories	Consumables	Options
SKIB-01: gas protection kit - plugs Ø 6 to 41 mm	SMN 40-XX: clamping jaws SATF- 40ND Ø in mm	SSED-16: offset rod support Ø 1.6 mm offset range 4 to 7.5 mm
SKIF-01: gas protection kit - membranes Ø 40 to 120 mm	SMN 65-XX: clamping jaws SATF- 65ND Ø in mm	SSED-24: offset rod support Ø 1.6 mm offset range 4 to 7.5 mm
SAFS-210: wire harness extension 10 m	SMN 115-XX: clamping jaws SATF- 65ND Ø in mm	

IN-LINE WELDING RANGE SATF DIMENSIONS



V2 - 02-2012



	A mm	B mm	C mm	Ø min	Ø max		
SATF-40ND	316	124	40	6 mm	40 mm	8,8 kg	< 70 dB
SATF-65ND	346	154	40	6 mm	65 mm	9,2 kg	< 70 dB
SATF-115ND	401	218	40	25 mm	115 mm	9,9 kg	< 70 dB

Ø 0,4" to Ø 3"
(Ø 10 to Ø 80 mm)



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V2 - 02-2012

Technical characteristics:

- **Air-cooled head**
- **Symmetrical pull-latch fastener clamping**
- **Motor with coder: allows for rod start-up at all angles and a large range of diameters**
- **Axial rod adjustment**
- **Weight: 3 Kg (without harness)**

ADVANTAGES



Torch angle adjustment: welding under flange or short T angle



Quick diameter adjustment: symmetrical encircling clamping



Driven by AXXAIR SASL-200TRA power source



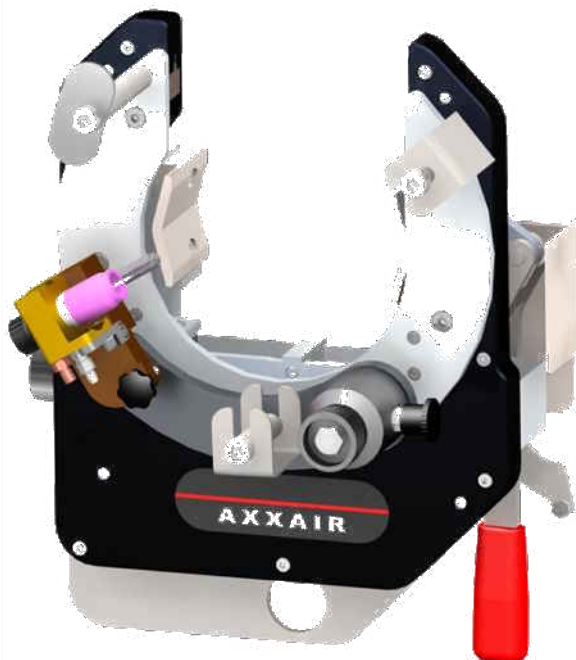
Mechanical profile guide: constant arc voltage

Accessories	References	Consumables
SKIB-01: gas protection kit - plugs Ø 6 to 41 mm	SATO-80M	SCE16-50
SKIF-01: gas protection kit - membranes Ø 40 to 120 mm		SCE24-50

Ø 0,625" to Ø 4,5"
(Ø 19 to Ø 115 mm)

AXXAIR

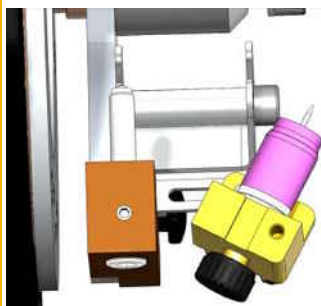
V2 - 02-2012



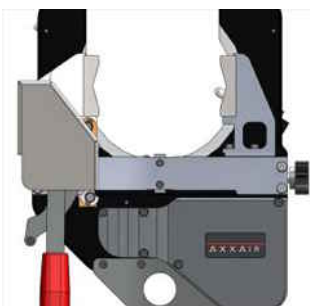
Technical characteristics:

- Water-cooled head
- 200 A, 100%
- Clamping jaws - stainless steel
- Motor with coder: allows for rod start-up at all angles and a wide range of diameters
- Axial adjusting screw
- Weight: 7.5 kg

ADVANTAGES



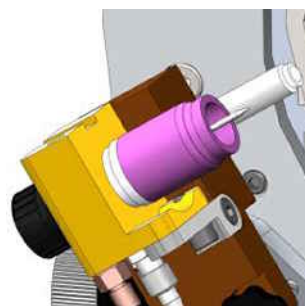
Torch angle adjustment: welding under flange or short T angle



Quick diameter adjustment: powerful symmetrical clamping



Driven by AXXAIR SASL-200T and higher power source



Mechanical profile guide: constant arc voltage

Accessories	References	Consumables	Options
SAFS-210 Wire harness extension 10 M Except with AVC/OSC/WIRE	SATO-115NDA	SCE16-50	SADFP-01: wire feeder
SKIB-01: gas protection kit - plugs Ø 6 to 41 mm		SCE24-50	
SKIF-01: gas protection kit - membranes Ø 40 to 120 mm			

Ø 1" to Ø 6,625"
(Ø 25 to Ø 170 mm)

AXXAIR

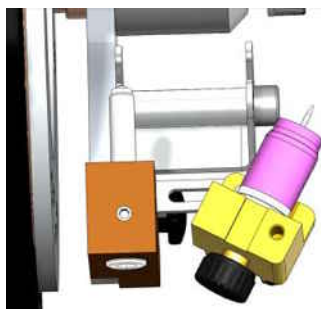
V2 - 02-2012



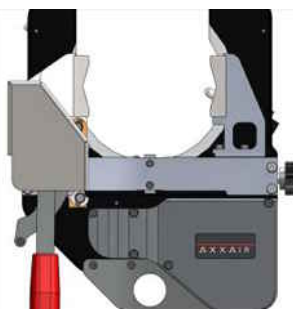
Technical characteristics:

- Water-cooled head
- 200 A, 100%
- Clamping jaws - stainless steel
- Motor with coder: allows for rod start-up at all angles and a wide range of diameters
- Axial adjusting screw
- Weight: 9 kg

GES



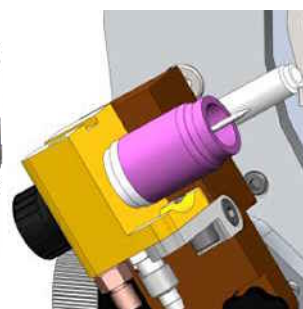
Torch angle adjustment: welding under flange or short T angle



Quick diameter adjustment: powerful symmetrical clamping



Driven by AXXAIR SASL-200T and higher power source



Mechanical profile guide: constant arc voltage

Accessories	References	Consumables	Options
SAFS-210 Wire harness extension 10 M Except with AVC/OSC/WIRE	SATO-170NDA	SCE16-50	SADFP-01: wire feeder
SKIB-01: gas protection kit - plugs Ø 6 to 41 mm		SCE24-50	
SKIF-01: gas protection kit - membranes Ø 40 to 120 mm			

Ø 1,5" to Ø 8,625"
(Ø 38 to Ø 220 mm)



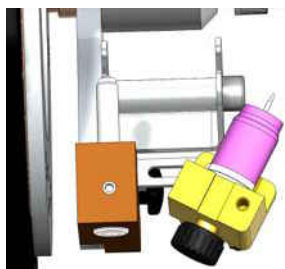
AXXAIR

V2 - 02-2012

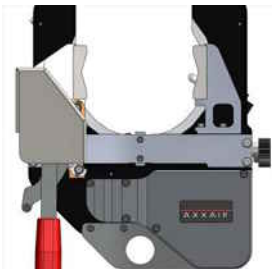
Technical characteristics:

- Water-cooled head
- 200 A, 100%
- Clamping jaws - stainless steel
- Motor with coder: allows for rod start-up at all angles and a wide range of diameters
- Axial adjusting screw
- Weight: 14 kg

ADVANTAGES



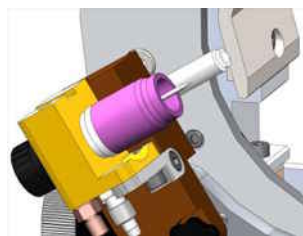
Torch angle adjustment:
welding under flange or
short T angle



Quick diameter
adjustment: powerful
symmetrical clamping



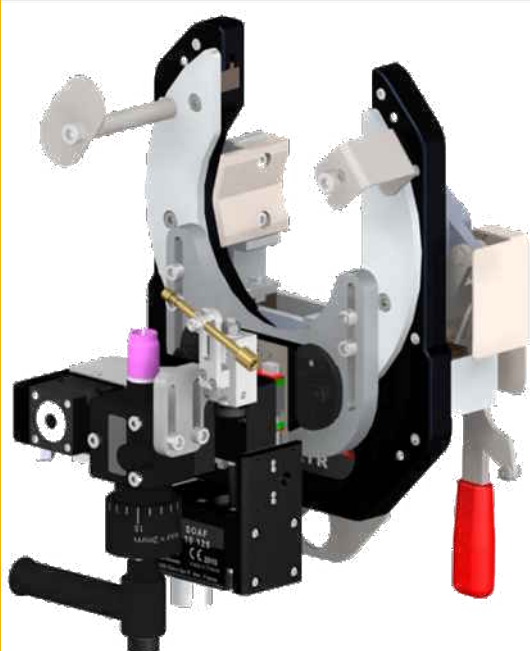
Driven by AXXAIR SASL-
200 TRA power source



Mechanical profile guide:
constant arc voltage

Accessories	References	Consumables	Options
SAFS-210 Wire harness extension 10 M Except with AVC/OSC/WIRE	SATO-220M	SCE16-50	SADFP-01: wire feeder
SKIF-01: gas protection kit - membranes Ø 40 to 120 mm		SCE24-50	

IN-LINE WELDING RANGE SATOXXNAO



SATO-115NAOA

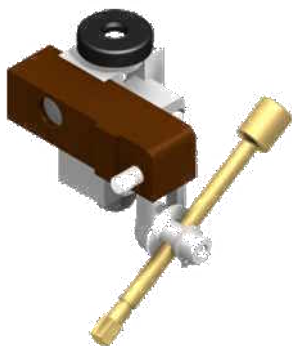


SATO-220MAO



SATO-170NAOA

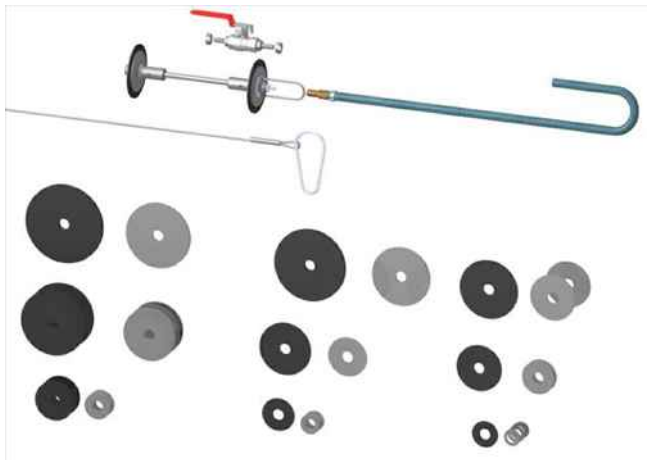
Description	References	Consumables
SATO-115NAOA: open head with AVC/OSC/WIRE for SASL-200 TOAF	SATO-115NAOA	SCE16-50
SATO-170NAOA:: open head with AVC/OSC/WIRE for SASL-200 TOAF	SATO-170NAOA	SCE24-50
SATO-220MAO: open head with AVC/OSC/WIRE for SASL-200 TOAF	SATO-220MAO	



SADFP-01



V2 - 02-2012



SKIF-01

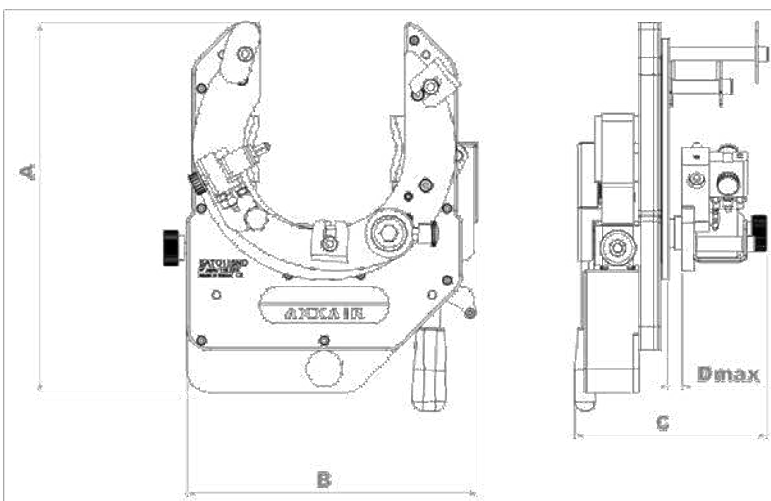




SADF2

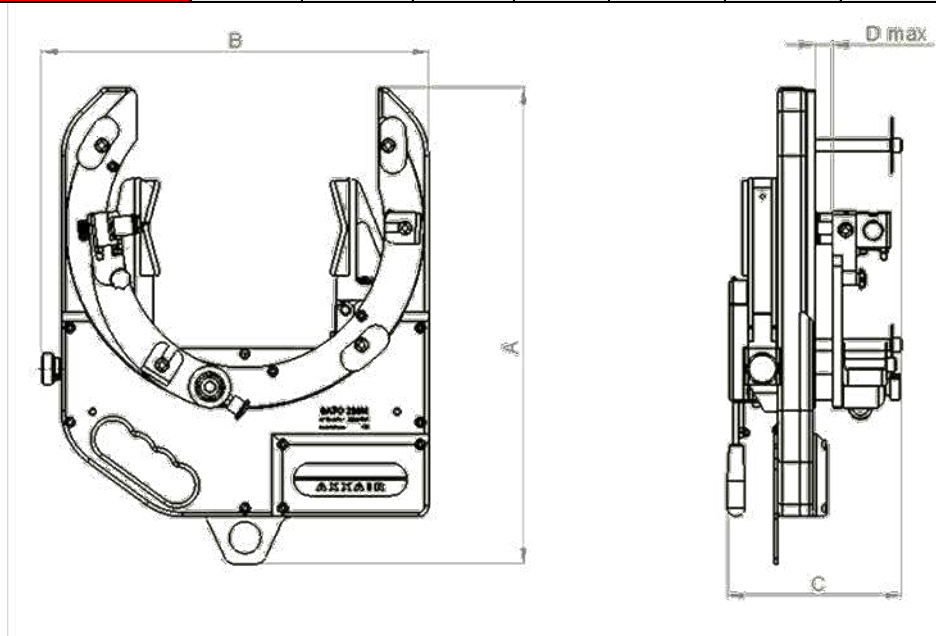




SKIB-01

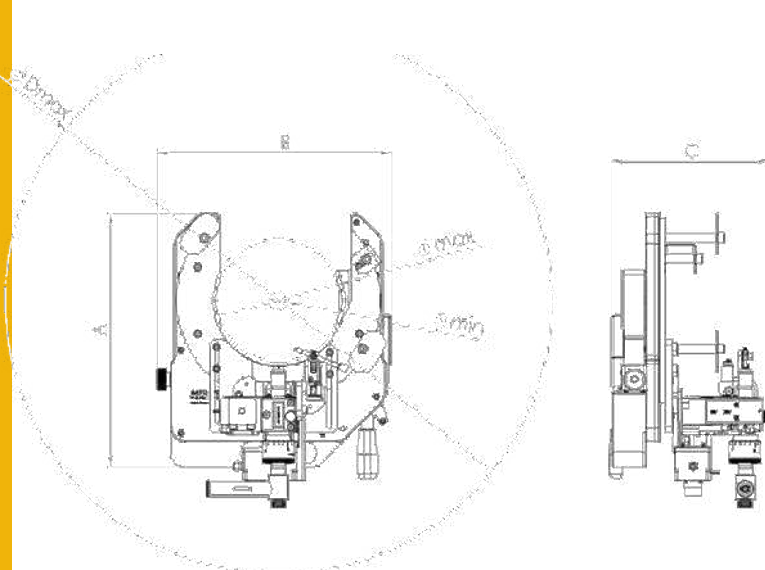
Accessories	Accessories
SADF-2: wire feeder for SC and SATO (without wire spool)	SADFP-01: wire guide for open heads
SKIB-01: gas protection kit - plugs \varnothing 6 to 41 mm	
SKIF-01: gas protection kit - membranes \varnothing 40 to 120 mm	





	A mm	B mm	C mm	D mm	Ø min	Ø max		
SATO - 115NDA	309	262	160	10	19 mm	115 mm	7,5 kg	<70dB
SATO - 170NDA	349	321	160	10	25 mm	170 mm	9 kg	<70dB

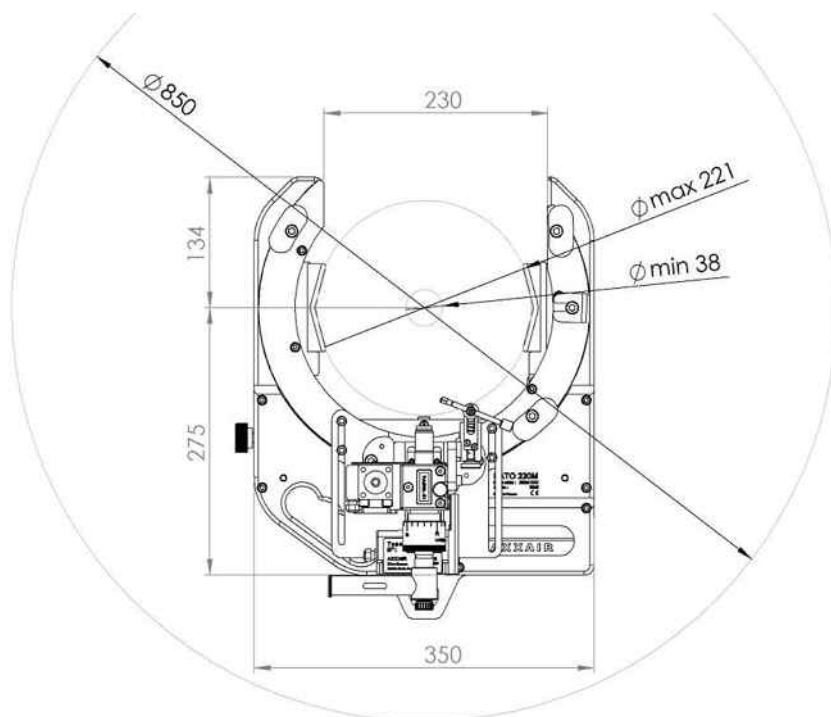


	A mm	B mm	C mm	D mm	Ø min	Ø max		
SATO - 220M	454	369	166	17	38 mm	220 mm	12 kg	<70dB



V2 - 02-2012

	A mm	B mm	C mm	Ø D max	Ø min	Ø max		
SATO - 115NAO	309	262	194↔219	680 mm	19 mm	115 mm	8.8 kg	<70dB
SATO - 170NAO	349	321	194↔219	750 mm	25 mm	170 mm	10 kg	<70dB



		
SATO-220MAO	15 kg	<70dB

TUBE TO TUBESHEET

Ø 0,4" to Ø 3" (Ø10 to Ø80mm)



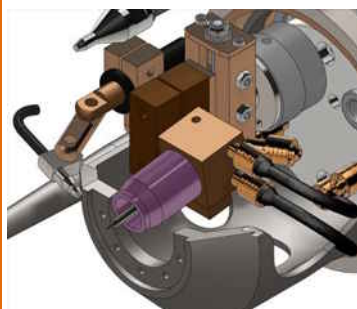
AXXAIR

V2 - 02-2012

Technical characteristics:

- Rotating joint for gas, current and cooling
- Water-cooled tilt head
- Carriage for head and wire adjustment
- Integrated rotating wire feeder (Ø 0.8 mm)
- Wire feed speed from 0 to 1.5 m/min
- Power factor: 200 A, 100%
- Weight: 7.5 kg without wire spool
8.5 kg without wire spool

ADVANTAGES



Water-cooled tilt head with adjustable wire



SASL-300: high cooling capacity 1200 W power source



Wire supply rotates along with head

Accessories	References	Consumables	Options
	SATP-80		Additional gas chamber
			Pneumatic clamping

Réf.	Désignation	Dia.
	Additional gas chamber	
	Pneumatic clamping	
SATP-B01	Centering cartridge group 1	
SATP-M11	Centering mandril	9,8 to 10,3 mm
SATP-M12	Centering mandril	10,3 to 10,8 mm
SATP-M13	Centering mandril	10,8 to 11,3 mm
SATP-M14	Centering mandril	11,3 to 11,8 mm
SATP-M15	Centering mandril	11,8 to 12,3 mm
SATP-M16	Centering mandril	12,3 to 13,0 mm
SATP-B02	Centering cartridge group 2	
SATP-M21	Centering mandril	12,8 to 14,0 mm
SATP-M22	Centering mandril	13,8 to 15,0 mm
SATP-M23	Centering mandril	14,8 to 16,0 mm
SATP-M24	Centering mandril	15,8 to 17,0 mm
SATP-M25	Centering mandril	16,8 to 18,0 mm
SATP-M26	Centering mandril	17,8 to 19,0 mm
SATP-M27	Centering mandril	18,8 to 20,5 mm
SATP-M28	Centering mandril	19,8 to 22,5 mm
SATP-M29	Centering mandril	22,3 to 24,5 mm
SATP-B03	Centering cartridge group 3	
SATP-M30	Centering mandril	24,5 to 27,0 mm
SATP-M31	Centering mandril	26,5 to 29,0 mm
SATP-M32	Centering mandril	28,5 to 31,0 mm
SATP-M33	Centering mandril	30,5 to 33,0 mm
SATP-M34	Centering mandril	32,5 to 36,0 mm
SATP-M35	Centering mandril	35,5 to 39,0 mm
SATP-M36	Centering mandril	38,5 to 42,0 mm
SATP-M37	Centering mandril	41,5 to 45,0 mm
SATP-M38	Centering mandril	44,5 to 48,0 mm
SATP-M39	Centering mandril	47,5 to 51,0 mm
SATP-B04	Centering cartridge group 4	
SATP-M40	Centering mandril	50,5 to 54,0 mm
SATP-M41	Centering mandril	53,5 to 58,0 mm
SATP-M42	Centering mandril	57,5 to 62,0 mm
SATP-M43	Centering mandril	61,5 to 66,0 mm
SATP-M44	Centering mandril	65,5 to 70 mm
SATP-M45	Centering mandril	69,5 to 74,0 mm
SATP-M46	Centering mandril	73,5 to 78,mm



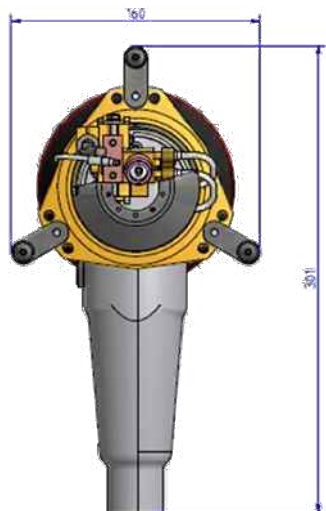
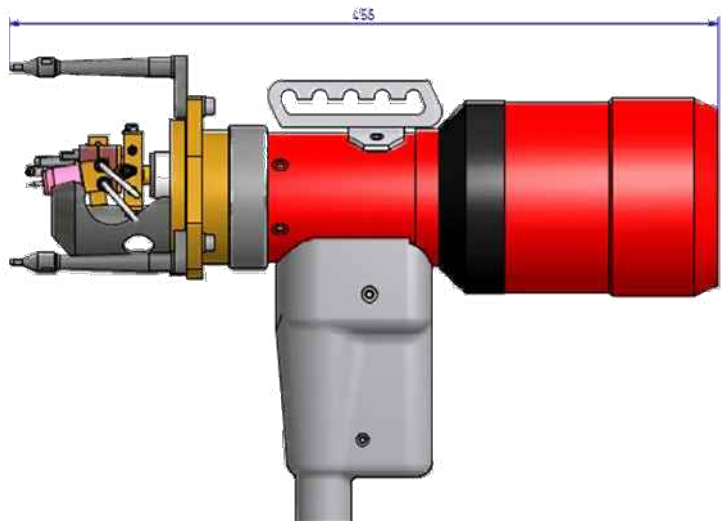
V2 - 02-2012





SATP-B01 to B04



SATP-8XX



	A mm	B mm	C mm	Ø min	Ø max		
ATP-80	455	301	160	10 mm	80 mm	8.5 kg	<70dB



V2 - 02-2012

Power Sources

AXXAIR

V2 - 02-2012

To run the complete welding process, all our power sources are fitted with a HIG colour touch screen ; The main functions are :



- Password protection
- Customized access according to the user : operator access to run the programs only, welder access to all customer functions, AXXAIR access for maintenance purposes.
- Auto compute mode for a quick set up according to the main welding characteristics : head type, tube diameter, tube thickness, welding mode, number of sectors, ...
- 200 welding programs, with 20 sectors, are stored on a Flash card
- Data acquisition : real welding data acquisition is made every second and recorded on the Flash card. 999 welding can be recorded on the card, before being overwritten if not downloaded on a PC.
- Axes synchronization : all the axes can be synchronized on the welding current pulse, allowing :
 - Step mode : speed pulsed with the current to get a better penetration while maintaining an effective control of the welding puddle.
 - Wire pulsed speed to feed the wire on the high level current and less on low current.
 - The oscillation synchronization allows the adjustment of the high current on the bevel by controlling the oscillation displacement time
- Parameters printing on the integrated printer (SASL160 and SASL300)
- Parameters printing on a PC through the Flash card
- Parameters control and alarm mode : safety mode for the heads in case of gas absence or cooling failure. Alarms are recorded in order to check the integrity of a weld and remote access assistance.

WELDING RANGE

MADE IN FRANCE

**GLOBAL
PROCESS**

www.axxair.com

165 A, 220 V

SASL-160TRA



SASL-160TF

AXXAIR

V2 - 02-2012

Technical characteristics:

- Orbital welding power source, 210 V - 230 V
- Max. current 165 A
- Power factor: 100 A, 100%
- Ideal for on-site work
- This model is a version of the 200 A source, and features the same programming interface
- Supplied with a memory card with 200 programs, 20 levels each
- Weight:
 - SASL-160TRA: 15 kg
 - SASL-160TF: 25 kg

ADVANTAGES

SD Flash card with 200 programs per card



5.7" multi-language, colour touch screen



Integrated printer

Accessories	References	Description	Consumables
SAGC-100: power source trolley	SASL-160TRA	Air-cooled source with axis board	SACW-C002: Coolant
SACF-020: Memory card	SASL-160T	Water-cooler source with 1-axis board	SCIMP-01: printer spool
SALCF-020: memory card reader	SASL-160TF	Water-cooled source with 2-axis board, feedrate and wire	

210 A, Autoline


AXXAIR

V2 - 02-2012

Technical characteristics:

- Orbital welding power source, **autoline** with PFC compatible 110 V to 230 V
- Max. current **210 A**
- Power factor: **160 A, 100%**
- Scalable source, water-cooled, additional card (4 shafts: wire feed, AVC, OSC and wire)
- Supplied with a memory card with 200 programs, 20 levels each

ADVANTAGES



5.7" colour touch screen remote control. Secure, multi-lingual access (11 languages)



Easy-to-use touch screen features parameter calculation



Safe cooling to protect heads (flow rate, level, pressure)

Accessories	References	Description	Consumables
SAGC-100: power source trolley	SASL-200A	Air-cooled SC drive power source	SACW-C002: Coolant
SACF-020: Memory card	SASL-200E	Water-cooled power source , SC	SCIMP-01: printer spool
SALCF-020: memory card reader	SASL-200EF	Water-cooled power source, SC and wire	
	SASL-200TRA/SAS-200T	Air-cooled power source - 1 axis / water-cooled source - 1 axis	
	SASL-200TAO/TAOF	Water-cooled power source with AVC-OSC/ with AVC-OSC-Wire	

300 A, 400 V



SASL-300TF

AXXAIR

V2 - 02-2012

Technical characteristics:

- Orbital welding power source, **400 V**
- Integrated cooler: **1200 W** cooling capacity with 1L/min
- Cooling **safety** system: flow rate, pressure
- Max. current **300 A**
- Power factor: **210 A, 100%**
- Compatible with all AXXAIR heads
- Supplied with a memory card with **200 programs**, 20 levels each

ADVANTAGES



5.7" colour touch screen remote control. Secure, multi-lingual access (11 languages)



Drives up to 4 shafts, depending on the version: wire feed, AVC, OSC and wire



Integrated printer

Accessories	References	Description	Consumables
SAGC-100: power source trolley	SASL-300E	Water-cooled power source for SC	SACW-C002: Coolant
SACF-020: Memory card	SASL-300T	Water-cooler source with single-axis drive	SCIMP-01: printer spool
	SASL-300TF	Water-cooled power source , axis card and wire	
SALCF-020: memory card reader	SASL-300TAOF	Water-cooled power source, axis card, wire feed, AVC, OSC and wire	

Power source/head compatibility table

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POSTES TETES																							
	SC121-A	SC121-E	SC171-A	SC171-E	SC221-E	SC321-E	SATF-40ND	SATF-65ND	SATF-115ND	SATO-80M	SATO-115M	SATO-170ND	SATO-220M	SATO-115NAO	SATO-170NAO	SATO-220MAO	SADF2	SAGC-100	SOAF	SASL200-04	SATMA-06	SATME-06	
Type	Prefab						T.fermées			T.ouvertes				TO AVC/OSC			Autres						
SASL-160TRA	O	N	O	N	N	N	N	N	N	O	N	N	N	N	N	N	N	O	N	N	N	N	
SASL-160T	O	O	O	O	O	O	O	O	O	O	O	O	O	N	N	N	N	O	N	N	N	N	
SASL-160TF	O	O	O	O	O	O	O	O	O	O	O	O	O	N	N	N	O	O	N	N	N	N	
SASL-200A	O	N	O	N	N	N	N	N	N	N	N	N	N	N	N	N	N	O	N	O	O	N	
SASL-200E	O	O	O	O	O	O	N	N	N	N	N	N	N	N	N	N	N	O	N	O	O	O	
SASL-200EF	O	O	O	O	O	O	N	N	N	N	N	N	N	N	N	N	O	O	N	O	O	O	
SASL-200TRA	O	N	O	N	N	N	N	N	N	O	N	N	N	N	N	N	N	O	N	O	O	N	
SASL-200T	O	O	O	O	O	O	O	O	O	O	O	O	O	N	N	N	N	O	N	O	O	O	
SASL-200TF	O	O	O	O	O	O	O	O	O	O	O	O	O	N	N	N	O	O	N	O	O	O	
SASL-200TOA	O	O	O	O	O	O	O	O	O	O	O	O	O	N	N	N	N	O	N	O	O	O	
SASL-200TOAF	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	
SASL-300E	O	O	O	O	O	O	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	
SASL-300T	O	O	O	O	O	O	O	O	O	O	O	O	O	N	N	N	N	N	N	N	N	N	
SASL-300TF	O	O	O	O	O	O	O	O	O	O	O	O	O	N	N	N	O	N	N	N	N	N	
SASL-300TOAF	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	N	O	N	N	N	

O: Yes
N: No



SADF2



SAGC-121



SAGC-100



SALCF-020



SACF-020



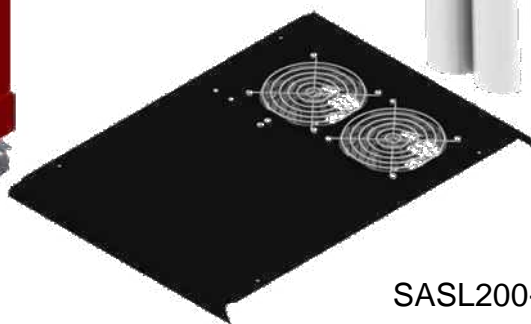
SACW-020



SACW-Co02



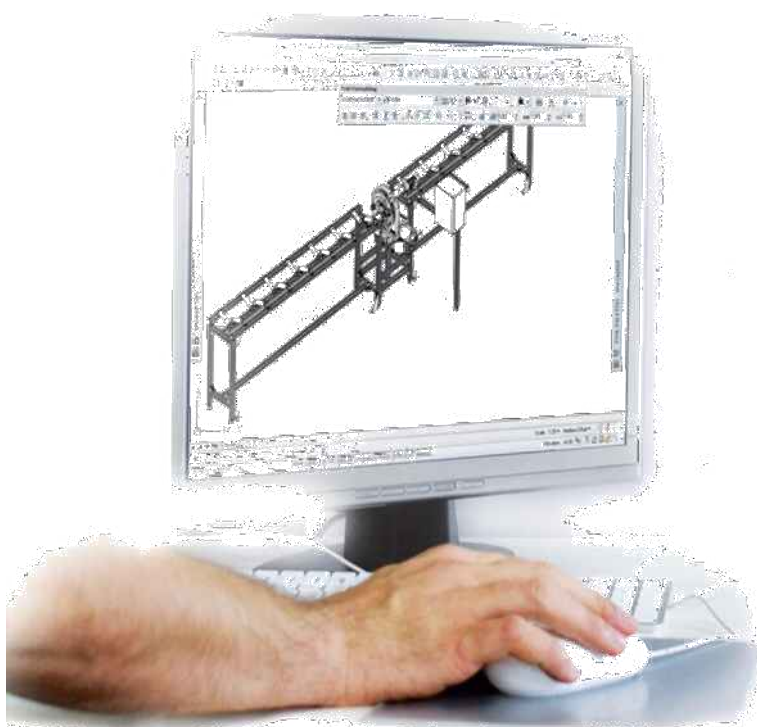
SAIMP-01



SASL200-04

Accessories	Accessories
SAGC-100 : trolley for SASL-200	SACW-Co02: cooling fluid
SAGC-121 : closed head support	SALCF-020: Flash card reader
SADF2 : External Wire feeder	SACF-020: flash card with software
SACW-020: cooling system for SASL200	SASL200-04: ventilation hood for harsh conditions
SAIMP-01: printer paper	

SPECIAL



SPECIAL

AXXAIR

Our special machine department can satisfy any request with solutions that you won't find in our standard catalogue.

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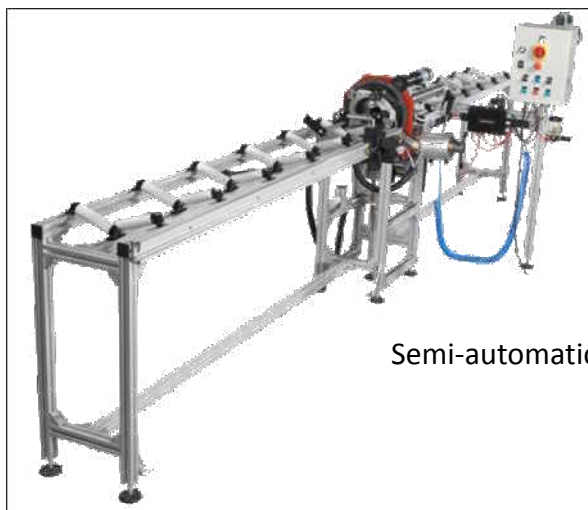
90% of these machines capitalize on our knowledge of cutting, bevelling or orbital TIG welding systems.

Areas of application vary, and include:

- specific machines for cutting thin titanium
- machines for cutting tubes on plates for the nuclear industry
- remote-controlled machines for disassembly of piping in the nuclear industry
- cutting machines for manufacturing: complete and fully automated line
- carbide orbital cutting machines for manufacturing
- super-compact welding heads
- ...



Carbide orbital cutting
(hydraulic motor)



Semi-automatic orbital cutting line for titanium

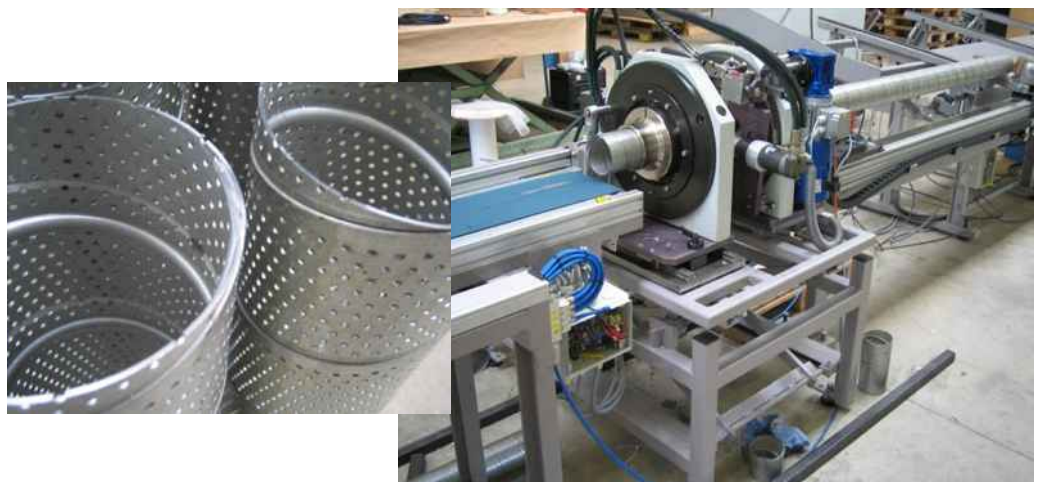
SPECIAL

AXXAIR

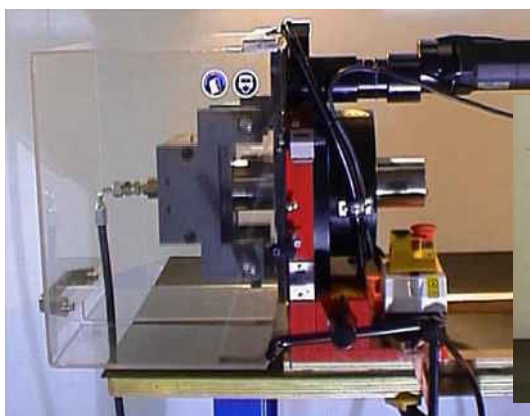
V2 - 02-2012



Orbital cutting of large-diameter, thin titanium



Automated cutting line for perforated tubes



Rolling press



SPECIAL

AXXAIR

V2 - 02-2012



Automatic cutting line



CC520 automatic with dual motor

CC1100 line
with conveyor



2011/02/17

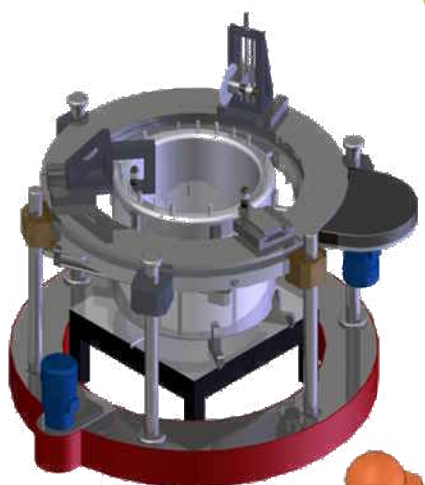
SPECIAL

Tube cutting on plate

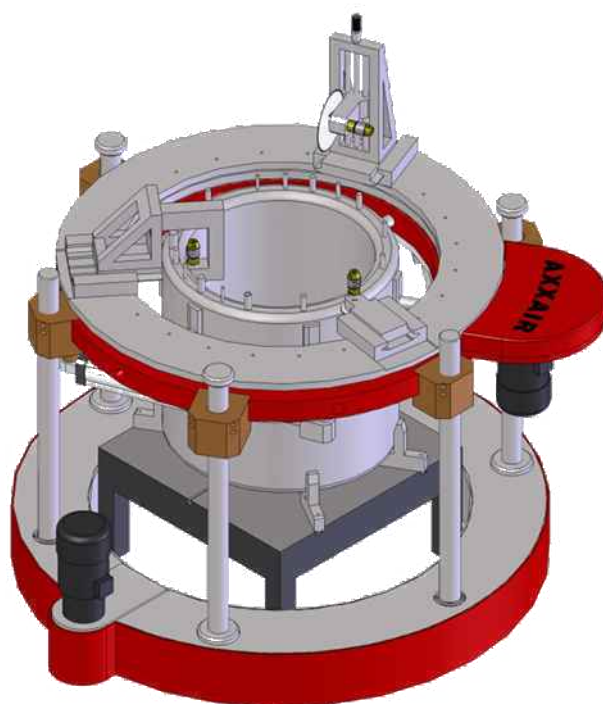


AXXAIR

V2 - 02-2012



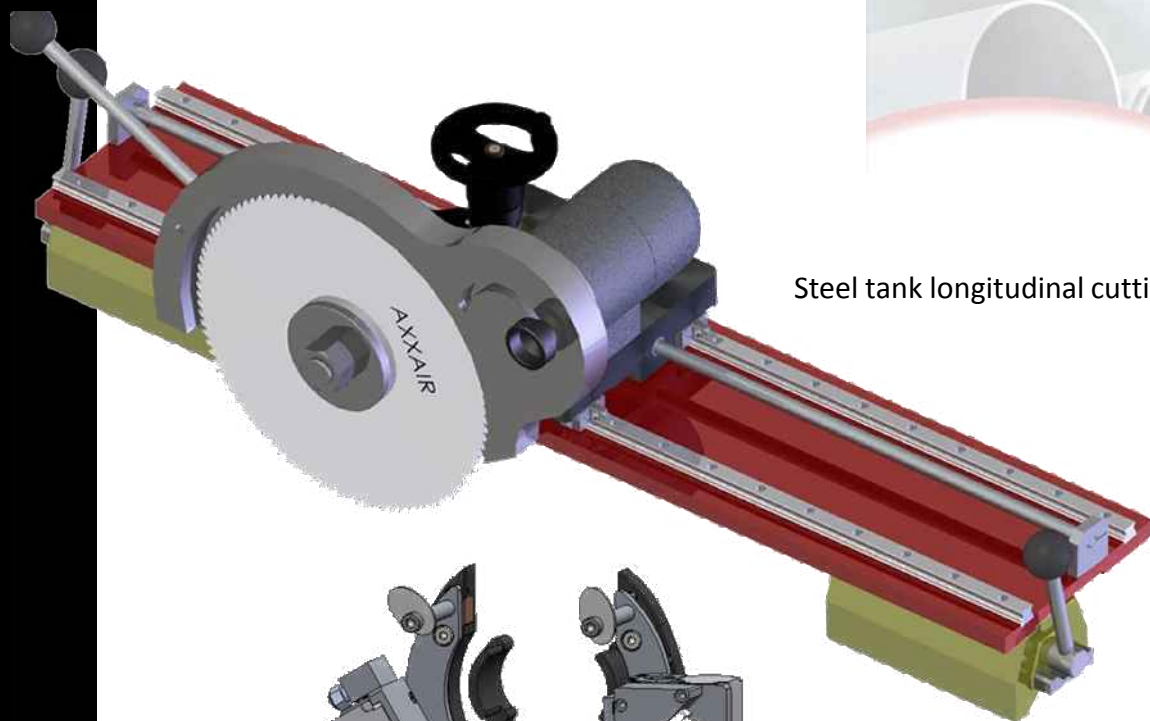
Shaft cutter



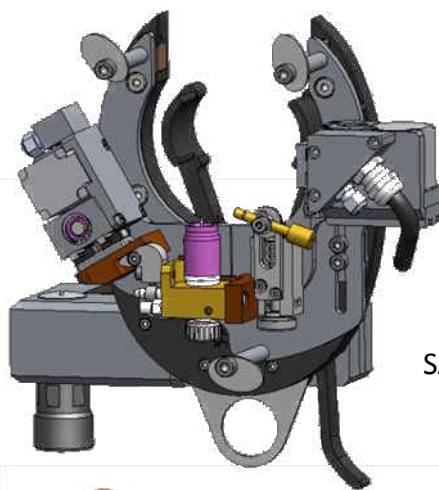
SPECIAL

AXXAIR

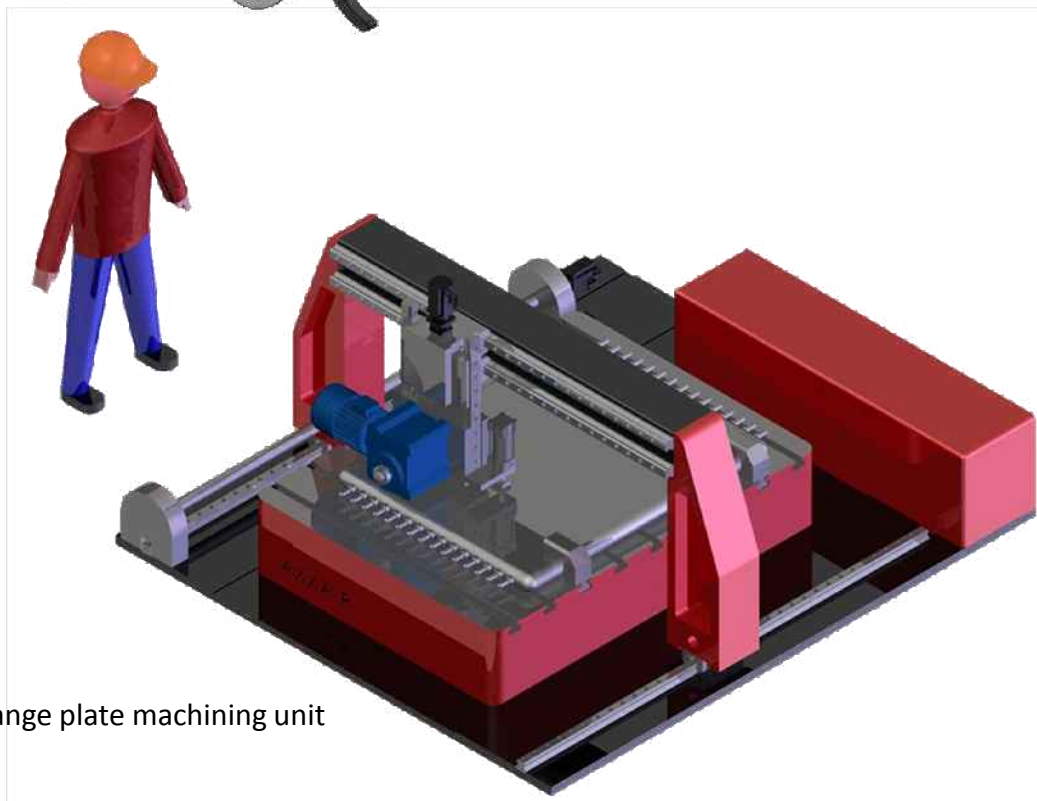
V2 - 02-2012



Steel tank longitudinal cutting

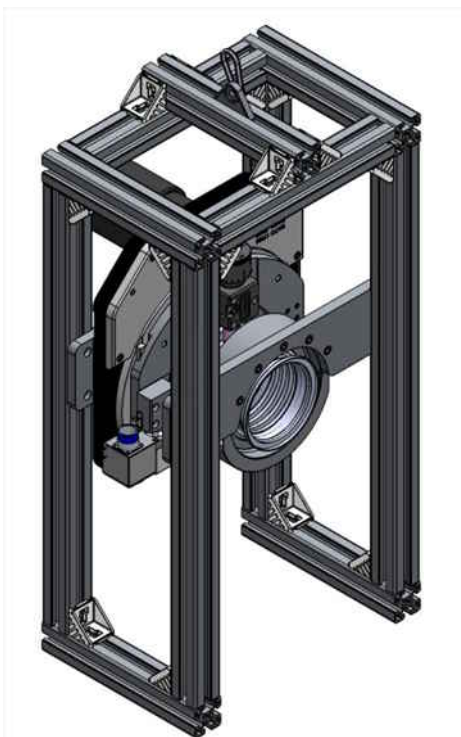


SATO80 AVC/OSC open head

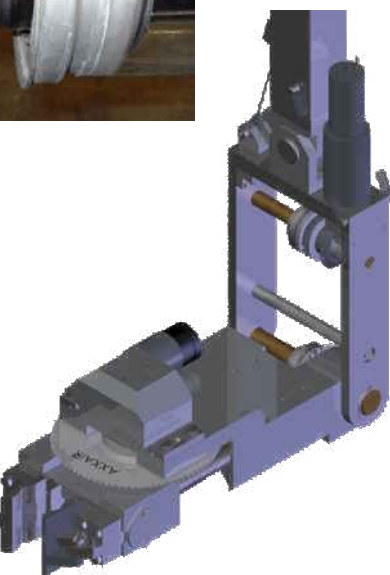


Heat exchange plate machining unit

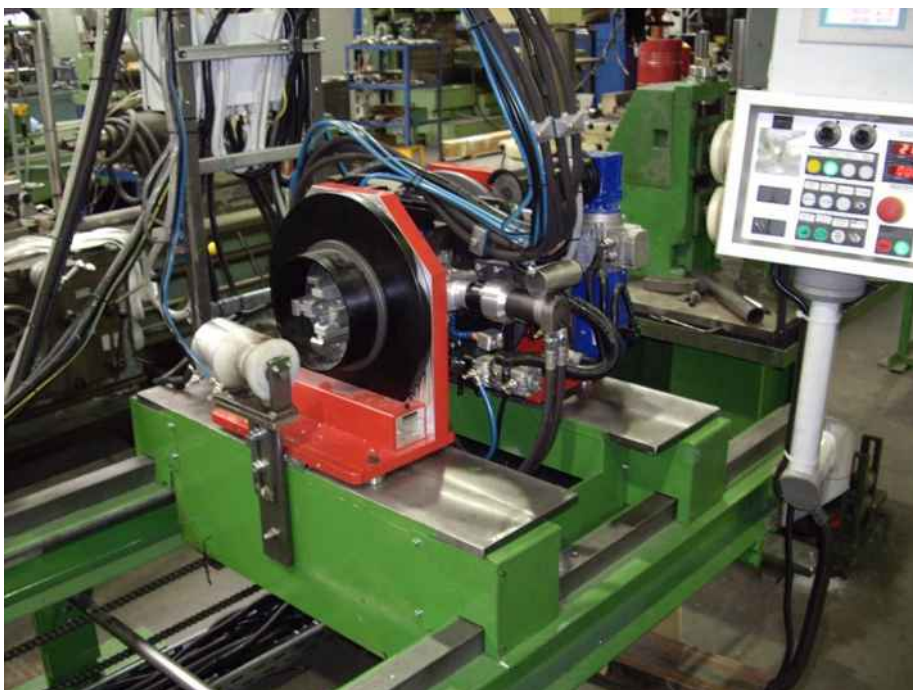
SPECIAL



Glass tube welding for the solar energy industry



Remote-controlled in-line cutting (nuclear industry)



Semi-automatic orbital cutting line for titanium

ANOTHER BRAND IN OUR GROUP



The ECOTOM brand is the lower-priced line from AXXAIR. This brand aims to provide a lower-cost alternative while continuing to be 100% made in France. This has been made possible by the use of recent laser technologies and robotic sheet metal pressing techniques.

This brand features specific machines for targeted markets. Our strategy involves using our experience and know-how with different processes in order to significantly lower selling prices.

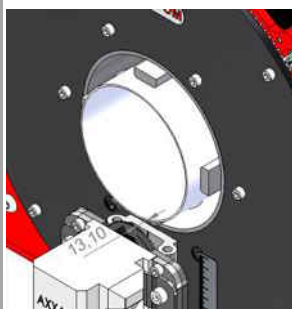
As a result, this brand allows us to make orbital cutting accessible to developing countries, where price is the main selling point.



Technical characteristics:

- Designed for thin tubes < 3 mm
- Ø 0,875" to 4,5" (Ø 21 to 121 mm)
very **wide** range of use
- **Cutting precision:**
 - perpendicular cuts < 0.25 mm
 - seamless cutting
- **Weight:** 35 kg (easy handling)
- Ideal for use at **worksites**
- Patent pending

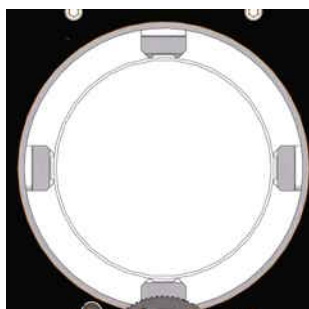
ADVANTAGES



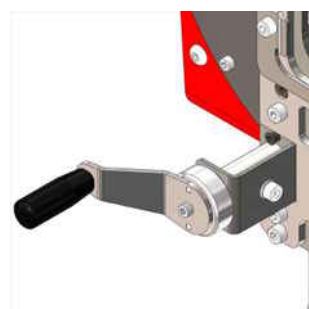
Blade-jaws distance of
14 mm
Limits vibration and
tube distortion



Rotation handle as **standard:**
extends blade life and
optimizes cutting quality



Concentric 4-jaw
clamping to eliminate
tube distortion



Blade penetration
handle

Accessories	Motors	Consumables	Options
Support feet	K21:1010 W, 220 V, Thickness < 3 mm	LS6872: 1 to 3 mm	
	M11: 1010 W, 110 V, Thickness < 3 mm	LS63100: 0.7 to 1.5 mm	
		CCLUP: paste lubricant	