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KAT® WELDING AND CUTTING AUTOMATION CARRIAGES – VARIABLE SPEED – ALL POSITIONS

***Specify Voltage When Placing Order A = 42 V – B = 115 V – C = 230 V**

PART NO.

DESCRIPTION

GK-200-RL*
GK-200-RM*
GK-200-RH*

KAT® Welding and Cutting Automation Carriage - Rigid Track

SPEED RANGES OF KAT® AUTOMATION CARRIAGES

Model GK-200-RL	-	0.5 – 16.4 IPM (1.2 TO 41.6 cm/min)
Model GK-200-RM	-	1.0 – 32.7 IPM (2.5 to 83.1 cm/min)
Model GK-200-RH	-	2.7 – 88.4 IPM (6.7 – 224 cm/min)



GK-200-FL*
GK-200-FM*
GK-200-FH*

KAT® Welding and Cutting Automation Carriage - Flexible Track

SPEED RANGES OF KAT® AUTOMATION CARRIAGES

Model GK-200-FL	-	0.8 – 25.8 IPM (2.0 TO 65.4 cm/min)
Model GK-200-FM	-	1.5 – 51.5 IPM (3.9 to 131.0 cm/min)
Model GK-200-FH	-	4.2 – 139.1 IPM 10.6 – 353.0 cm/min)



GK-200-RL*A
GK-200-RM*A
GK-200-RH*A

KAT® Auto-Weld Automation Carriage - Rigid Track



GK-200-FL*A
GK-200-FM*A
GK-200-FH*A

KAT® Auto-Weld Automation Carriage - Flexible Track



GK-200-RL*-L
GK-200-RM*-L
GK-200-RH*-L

KAT® Linear Weld Oscillation Automation Carriage - Rigid Track



GK-200-FL*-L
GK-200-FM*-L
GK-200-FH*-L

KAT® Linear Weld Oscillation Automation Carriage - Flexible Track



KAT® WELDING AND CUTTING AUTOMATION CARRIAGES – VARIABLE SPEED – ALL POSITION

***Specify Voltage When Placing Order A = 42 V – B = 115 V – C = 230 V**

PART NO.

DESCRIPTION

GK-200-RL*-R
GK-200-RM*-R
GK-200-RH*-R

KAT® Radial Weld Oscillation Automation Carriage - Rigid Track



GK-200-FL*-R
GK-200-FM*-R
GK-200-FH*-R

KAT® Radial Weld Oscillation Automation Carriage - Flexible Track



GK-200-RL*I
GK-200-RM*I
GK-200-RH*I

KAT® Torch Indexing Automation Carriage - Rigid Track

GK-200-FL*I
GK-200-FM*I
GK-200-FH*I

KAT® Torch Indexing Automation Carriage - Flexible Track

GK-200-RH*-N
GK-200-RH*-G

KAT® Automation Carriage for Victor Gouging System - Rigid Track
KAT® Automation Carriage for Star Trac Gouging System - Rigid Track



GK-200-FH*-N
GK-200-FH*-G

KAT® Automation Carriage for Victor Gouging System - Flexible Track
KAT® Automation Carriage for Star Trac Gouging System - Flexible Track



GK-190-H-018

Hydraulic KAT® Cutting Automation Carriage - Rigid Track
Speed range 0 to 4.9 IPM. (0 to 12.4 cm/min)

GK-190-H-036

Hydraulic KAT® Cutting Automation Carriage - Rigid Track
Speed range .5 to 9.8 IPM. (1.25 to 24.89 cm/min)

GK-190-H-090

Hydraulic KAT® Cutting Automation Carriage - Rigid Track
Speed range 1 to 26.5 IPM. (2.54 to 67.31 cm/min)

GK-190-H-017

Hydraulic KAT® Cutting Automation Carriage – Flexible Track
Speed range 0 to 7.5 IPM. (0 to 19.05 cm/min)

GK-190-H-035

Hydraulic KAT® Cutting Automation Carriage – Flexible Track
Speed range 1 to 15 IPM. (2.54 to 38.1 cm/min)

GK-190-H-089

Hydraulic KAT® Cutting Automation Carriage – Flexible Track
Speed range 2 to 40.5 IPM. (5.08 to 102.87 cm/min).



REMOTE CONTROL OSCILLATORS AND INDEXER

*Specify Voltage When Placing Order A = 42 V – B = 115 V – C = 230 V

PART NO.

DESCRIPTION

GK-201-100-RC*-R Compact Remote Radial Weld Oscillator



GK-201-100-RC*-L Compact Remote Linear Weld Oscillator w/ Dwells



GS-474-001-RC-* Compact Remote Control Weld Oscillator

GK-194-O-300-* Radial Weld Oscillator



GK-201-122 Radial Stepper Weld Oscillator - Head Only (No gun holder)

GK-201-123 Linear Stepper Weld Oscillator - Head Only (No gun holder)

GK-202-100* Remote Control Torch Indexer for Miscellaneous Rotation Equipment



INDEXER CONTROL PROGRAMMING OPTIONS

1. Travel Motion Delay
2. Rotation Pause During Index
3. Arc On/Off During Index
4. Crater Fill Delay
5. Post Weld Delay
6. Index Direction
7. Index Distance
8. Rotation Signal Relay Setting
9. Index Prompt.

GK-194-O-330 Radial Oscillator with control for MOGGY® Fillet Weld Carriage



KAT® II WELDING AND CUTTING AUTOMATION CARRIAGE – VARIABLE SPEED – ALL POSITION

***Specify Voltage When Placing Order A = 42 V – B = 115 V – C = 230 V**

PART NO.

DESCRIPTION

GK-189-045-* **KAT® II - Welding and Cutting Automation Carriage - Rigid Track
Speed range 2 – 46 IPM (5 – 114 cm/min)**



GK-171-154 **Idler Carriage – Rigid**



GK-192-F-154 **Idler Carriage – Flexible**



GK-189-044 **Idler Carriage – Light Duty – Rigid Track**







GSP-2013 **Remote Pendant less Control Retrofit Kit**



GK-191-P-045 **Forward/Reverse Limit Switch Kit for KAT® Carriages**



CARRIAGE ACCESSORIES

<u>PART NO.</u>	<u>DESCRIPTION</u>	
GK-171-650	Rack Box	
GK-171-655	Rack Box with Micro Fine Adjustment Gear Box	
GK-171-685*	Rack Box with Stud Swivel Clamp, 6" (152.4 mm) long	
GK-171-686*	Rack Box with Stud Swivel Clamp, 4" (101.6 mm) long	
GK-171-690*	Rack Box with Stud Swivel Clamp and Micro Fine Adjustment Gear Box Rack Boxes available in lengths up to 36" (914.4 mm).	
GK-171-231	Two Rack Boxes (Mounted Together)	
GK-171-235	Two Rack Boxes w/ Micro Fine Adjustment Gear Box (Mounted Together)	
GK-171-700	Special Roller Rack Box	
GK-171-705	Special Roller Rack Box w/ Micro Fine Adjustment Gear Box	
GK-190-650	Heavy-Duty Rack Box	
GK-190-655	Heavy-Duty Rack Box with Micro Fine Adjustment Gear Box	
GK-190-685*	Heavy-Duty Rack Box with Stud Swivel Clamp	
GK-190-690*	Heavy-Duty Rack Box with Stud Swivel Clamp and Micro Fine Adjustment Gear Box Rack Boxes available in lengths up to 36" (914.4 mm).	
GK-190-231	Two Heavy-Duty Rack Boxes (Mounted Together)	
GK-190-235	Two Heavy-Duty Rack Boxes with Micro Fine Adjustment Gear Box (Mounted Together)	
GB-413-030	Special Heavy Duty Roller Rack Box	

CARRIAGE ACCESSORIES

<u>PART NO.</u>	<u>DESCRIPTION</u>
GK-171-047-10.25	Square Rack Arm: 1-1/8" (29mm) – 10-1/4" (260.3 mm) Long
GK-171-047-1	Square Rack Arm: 1-1/8" (29mm) - 12" (304.8 mm) Long
GK-171-047-2	Square Rack Arm: 1-1/8" (29mm) - 18" (457.2 mm) Long
GK-171-047-3	Square Rack Arm: 1-1/8" (29mm) - 24" (609.6 mm) Long
GK-171-047-4	Square Rack Arm: 1-1/8" (29mm) - 36" (914.4 mm) Long
	Other additional lengths available up to 72" (1828.8 mm)
GK-190-047-2	Heavy-Duty Square Rack Arm: 1-1/2" (38 mm) - 18" (457.2 mm) Long
GK-190-047-3	Heavy-Duty Square Rack Arm: 1-1/2" (38 mm) - 24" (609.6 mm) Long
GK-190-047-4	Heavy-Duty Square Rack Arm: 1-1/2" (38 mm) - 36" (914.4 mm) Long
	Other additional lengths available up to 72" (1828.8 mm).
GK-166-183	Swivel Clamp
GK-166-236	Square Clamp
GK-190-236	Square Clamp 1-1/2" (38 mm)
GK-189-054	KAT® II Welding and Cutting Torch Rack Accessory Kit.
GK-181-025	Flame Cutting Hoses w/ Fittings - 36" (914 mm) long (1 set, 3 pieces)
GS-010-031	Flame Cutting 3-Hose Manifold Block with Fittings



CARRIAGE ACCESSORIES

<u>PART NO.</u>	<u>DESCRIPTION</u>	
GK-190-066	Rack Box Riser Bracket	
GK-190-088**	4 Motion Welding Torch Holder with micro fine rack box	
GK-165-074-2**	4 Motion Welding Torch Holder with standard rack box	
GK-165-145**	Welding/Cutting Torch Holder Assembly	
GK-165-068**	Flame Cutting Torch Holder – Imperial Bore	
GK-165-068M**	Flame Cutting Torch Holder – Metric Bore	
GK-181-027	Cable Support Assembly for mounting on KAT® Carriage	
GK-181-038	Cable Support Assembly for mounting on Rack Arm	
GK-186-300	Micro Cross Slide	
GK-186-309	Micro Cross Slide Link Arm Assembly	
GK-186-320	Torch Tilt Assembly	

** Can be supplied with Square Clamp

MOTORIZED ARMS FOR POSITIONING WELDING GUNS OR CUTTING TORCHES

For Operation on either 42/115/230 volts, single phase, 50/60 Hz A.C. Power Supply

<u>PART NO.</u>	<u>DESCRIPTION</u>
GK-190-201	Pendant Control for Motorized Rack Boxes
GK-190-214	Motorized Rack Box: 1-1/8" (29 mm), c/w 24" arm
GK-190-215	Motorized Rack Box w/ Swivel Clamp: 1-1/8" (29 mm), c/w 24" arm
GK-190-216	Two Motorized Rack Boxes: 1-1/8" (29 mm) c/w two (2) 24" arms
GK-190-222	Motorized Rack Arm Limit Switch Assembly for 1-1/8"
GK-190-217	Motorized Rack Box: 1-1/2" (38 mm), c/w 24" arm
GK-190-218	Motorized Rack Box w/ Swivel Clamp: 1-1/2" (38 mm)
GK-190-219	Two Motorized Rack Boxes 1-1/2" (38 mm) c/w two (2) 24" arms
GK-190-223	Motorized Rack Arm Limit Switch Assembly for 1-1/2"



KAT® LOWER HOUSING CONVERSION PARTS

PART NO.

DESCRIPTION

PARTS REQUIRED TO CONVERT A RIGID KAT® TO RUN ON FLEXIBLE TRACK

GK-192-F-008 Cam Fork



GK-192-F-012 Motor Drive Pinion



GK-192-F-034 Drive Gear Sprocket Assembly



GK-192-F-065 Wheel Assembly
(PRODUCT shown is for one (1) wheel assembly, four (4) required).



PLEASE NOTE: High and low speed gear train assemblies cannot be used with Flexible KAT® Carriage.

PARTS REQUIRED TO CONVERT A FLEXIBLE KAT® TO RUN ON RIGID TRACK

GK-165-008 Cam Fork



GK-165-012 Motor Pinion



GK-165-034 Idler Gear Assembly



GK-165-154 Heavy Duty Wheel Assembly
(PRODUCT Shown is for one (1) wheel assembly, four (4) required).



MECHANICAL HEIGHT SENSORS AND FILLET WELD SEAM TRACKER

PART NO.

DESCRIPTION

GK-190-001

Mechanical Height Sensor for Torch - Copper Guide Wheel

GK-190-600

Mechanical Height Sensor for Torch - Copper Guide Wheel and Rack Box



GK-190-601

Mechanical Height Sensor for Torch - Hardened Stainless Steel Ball



GK-190-602

Mechanical Height Sensor for Torch - Hardened Stainless Steel Ball and Rack Box

GK-190-603

Fillet Weld Mechanical Seam Tracker



Float can be increased 1-3/4" (44 mm) up to 6" (152 mm). For float over 6" (150 mm) – consult factory.

GK-190-633

Fillet Weld Mechanical Seam Tracker w/ H.D. Constant Velocity Spring

GK-190-604

Dual In-Line Copper Guide Wheels



GK-190-605



Dual Side-By-Side Copper Guide Wheels



**

Heavy Duty Spring can be Added to above Height Sensors.

TRACK SECTIONS

<u>PART NO.</u>	<u>DESCRIPTION</u>	
GK-165-052	KAT® Rigid Track Section – Aluminum Alloy - 48” (1219 mm)	
GK-165-052-1	KAT® Rigid Track Section – Aluminum Alloy - 96” (2438 mm)	
GK-165-054	KAT® Rigid Track Section – Aluminum Alloy - 120” (3048 mm)	
GK-166-258	Deep Section Track – Aluminum Alloy - 60” (1524 mm)	
GK-166-260	Deep Section Track – Aluminum Alloy - 120” (3048 mm)	
GK-190-P-026	Special Deep Section Track for Gantry System - 5 ft. (1524 mm)	
GK-190-P-027	Special Deep Section Track for Gantry System - 5 ft (1524 mm) (NO RACK)	

Internally Track Stiffening GK-166-260 add

To HARD anodize any of the above track to MIL Spec. A-8625, Type 3, Class 1, add **

FLEXIBLE TRACK

GK-192-F-054-2	Heavy Duty Flexible Track	
GK-192-F-057	Aluminum Flexible Track Stiffener	



Note: The stiffener can be rolled to a minimum diameter of 12 ft. (3.66 m) to use the same bolt holes on the Flex Track. If a smaller diameter is required, new holes must be drilled in the formed stiffener.

****Consult Factory**

ADDITIONAL COSTS FOR ROLLING STANDARD TRACK SECTIONS

DESCRIPTION

TRACK ROLLING

NOTE: THE FOLLOWING PRODUCTS ARE TO BE ADDED TO THE COST OF A RIGID TRACK SECTION

All lengths of track rolled to same radius – each

Forming a complete ring from KAT® Track

Forming KAT® Track with a radius at a specific point on the track leaving a specified amount of straight.

CRATING CHARGE:

1 – 4 pieces of same radius per crate



Hinging a complete Ring

TRACK MOUNTING DEVICES

PART NO.

DESCRIPTION

GK-165-215

**Track Mounting Device – 2 On/Off Magnets
Track datum height 3-1/8" (79.4 mm)**



GK-165-219

**Track Mounting Device – On/Off Magnet and Steel Angle Bracket
Track datum height 3-1/8" (79.4 mm)**



GK-165-217

**Track Mounting Device – 2 Steel Angle Brackets
Track datum height 3-1/8" (79.4 mm)**



GK-165-200

Track Mounting Pad, 1-1/4" (31.75 mm)



GK-165-039

Aluminum Support Bar



GK-166-406

Steel Mounting Bracket



GK-190-145

Track Mounting Device - Quick Install Plunger



GK-190-110

Pivoting Track Mounting Device, 90 degree pivot



GK-190-107

Pivoting Track Mounting Assembly, 90 degree pivot



GK-190-046

Perpendicular Track Mounting Bracket 9" (228.6 mm) high



VACUUM TRACK MOUNTING EQUIPMENT

***Specify Voltage When Placing Order B = 115 V – C = 230 V**

<u>PART NO.</u>	<u>DESCRIPTION</u>
GV-168-060	Portable Vacuum Track Mounting Unit
GV-168-050	Portable Vacuum Track Mounting Unit w/ Safety Reservoir



VACUUM CUP ASSEMBLIES FOR KAT® RIGID TRACK

GV-168-051-A	Vacuum Assembly for 48" (1219 mm) Rigid KAT® Track
GV-168-053-A	Vacuum Assembly for 96" (2438 mm) Rigid KAT® Track
GV-168-070-A	Vacuum Assembly for 120" (3048 mm) Rigid KAT® Track

VACUUM CUP ASSEMBLIES FOR KAT® FLEXIBLE TRACK

GV-192-F-409	Vacuum Assembly for 8 ft. (2438 mm) KAT® Flexible Track Model GK-192-F-054-2
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NOTE:

When joining one length of track to another a flexible vacuum hose Assembly is required (Part No. GV-168-071).





GV-168-083-1	Manifold Mounting Unit (Connecting End)
GV-168-083-2	Manifold Mounting Unit (Blocked End)
GV-168-055	Manifold Mounting Unit (In Between)
GK-192-077	Manifold Interconnecting Hose
GV-192-F-076	Hose Clamps - Each
GV-168-071	Flexible Vacuum Hose Assembly

NOTE:

**WHEN ORDERING, PLEASE SPECIFY IF VACUUM ASSEMBLIES
ARE TO BE USED WITH MULTIPLE TRACK SECTIONS.**

MOGGY® FILLET WELDING TRACKLESS CARRIAGES

*Specify Voltage When Placing Order A = 42 V – B = 115 V – C = 230 V

<u>PART NO.</u>	<u>DESCRIPTION</u>	
GM-03-050*	MOGGY® Carriage for Continuous Travel	
GM-03-100*	MOGGY® Carriage for Stitch Welding or Continuous Travel	
GM-03-200*	MOGGY® Dual Torch Carriage for Stitch Welding or Continuous Travel	
GM-03-250*	MOGGY® Dual Torch Carriage for Continuous Travel	
GM-03-300*	MOGGY® Carriage w/ Magnetic Base for Stitch Welding or Continuous Travel	
GM-03-350*	MOGGY® Carriage w/ Magnetic Base for Continuous Travel	
GM-01-075	MOGGY® V-Groove Track - 6 ft. (1828.8 mm) L 6" (152.4 mm) W **	
GM-01-076	MOGGY® V-Groove Track - 9 ft. (2743.2 mm) L 6" (152.4 mm) W **	
GM-01-065	Bronze Cutting Torch Holder With swivel clamp for attachment to Moggy Torch Arm.	
GM-01-070	MOGGY® Dual Torch Accessory Consisting of: counter balance, rack box with swivel clamp, 24" (609 mm) rack arm, 4-motion torch holder and additional wire feeder outlet.	
GM-03-059	MOGGY® Adjustable Guide Wheel Assembly (2 required per MOGGY®) each	
GM-03-060	MOGGY® Adjustable Lap Guide Wheel Assembly (2 required per MOGGY®) each	
GM-01-091	MOGGY® Inside Radius Guide Arm Assembly	
GM-186-320	MOGGY® 360° Torch Adjustment	
GK-191-P-071	MOGGY® Additional Auxiliary Wire Feed Start Relay Kit	
GM-02-060	SAM® Carriage Steering Assembly	
GM-02-043	SAM® Weld Joint Pointer Assembly	

** Consult Factory

400 MOGGY® FILLET WELDING TRACKLESS CARRIAGES

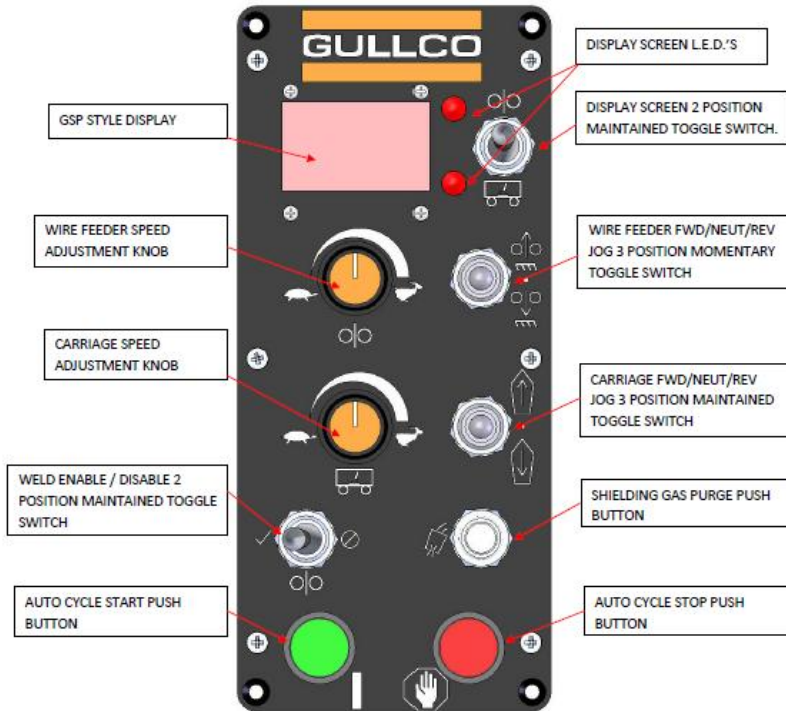
***Specify Voltage When Placing Order A = 42 V – B = 115 V – C = 230 V**

PART NO.

DESCRIPTION

GM-04-100*

400 MOGGY® Carriage with Integrated Wire Feeder



GM-02-275

SAM® Submerged Arc Welding Carriage - Single Sub-Arc



GM-02-295

SAM® Submerged Arc Welding Carriage w/ Miller HDC 1500DX Control – Single Sub-Arc **

GM-02-276

SAM® Submerged Arc Welding Carriage - Twin Sub-Arc

GM-02-250

SAM® Friction Drive Carriage – MIG Arc Welding



**** Consult Factory**

KBM® PORTABLE PLATE EDGE BEVELLING MACHINE
WITH ADJUSTABLE BEVELLING HEAD

PART NO.

DESCRIPTION

KBM-18-100

Portable Plate Edge Beveling

With adjustable beveling head to produce bevel angles 22-1/2° through 55°. Beveling speed 120 IPM (305 cm/min). Ideal for beveling mild steel, stainless steel and aluminum plates from 1/4" to 1-1/2"* (6.0 – 38.1 mm*) thick with a maximum bevel width 0.70" (18 mm) at a standard bevel angle 30°. Weight: 285 lbs. (129.2 kgs). – including undercarriage assembly.



KBM-18U

Inverted Portable Plate Edge Beveling Machine

Complete with screw jack undercarriage assembly for beveling the underside of plate.



KBM-18-069

Self-aligning Plate Beveling Machine Undercarriage – KBM-
(factory installed). For self-propelled operation.



KBM-18-080

Hydraulic Lift Undercarriage – KBM-18 (factory installed)
For self-propelled operation.



KBM-28-100

Portable Plate Edge Beveling Machine

With adjustable beveling head to produce bevel angles 22-1/2°, through 55°. Beveling speed 120 IPM (305 cm/min). Ideal for beveling mild steel, stainless steel and aluminum plates from 5/16" to 2" (8 – 50 mm) thick with a maximum bevel width 1.10" (28 mm) at a standard bevel angle 30°.



KBM-28U

Inverted Portable Plate Edge Beveling Machine

Complete with hydraulic undercarriage assembly, for beveling the underside of plate.







KBM-28-080

Hydraulic Lift Undercarriage – KBM-28 (factory installed)
For self-propelled operation.



KBM-18 & KBM-28 PORTABLE PLATE EDGE BEVELLING MACHINE ACCESSORIES

See Bulletin KBM-28-0106

<u>PART NO.</u>	<u>DESCRIPTION</u>	
KBM-18U-012	Air Jet Assembly – KBM-18 -(recommended for inverted beveller)	
KBM-18U-008	KBM-18 to KBM-18U Conversion Kit To convert KBM-18 Standard to a KBM-18U Inverted Beveller.	
KBM-18-X1C	Medium Tooth Cutter – KBM-18	
KBM-18-X1H	High Tensile Material Cutter – KBM-18	
GBM-18-(Degree)	Bevel Angle Adjustment Pins – KBM-18 For angles other than those supplied as standard with machine.	
KBM-18-122	Narrow Plate Width Clamp Roller Attachment – KBM-18	
GBM-18-015-A	Cutter Shims 0.019” (0.5 mm)	
GBM-18-015-B	Cutter Shims 0.039” (1.0 mm)	
KBM-28-X1C	Medium Tooth Cutter – KBM-28	
KBM-28-X1H	High Tensile Material Cutter – KBM-28	
GBM-28-(Degree)	Bevel Angle Adjustment Pins – KBM-28 For angles other than those supplied as standard with machine.	
KBM-28-078	Narrow Plate Width Clamp Roller Attachment – KBM-28	
GBM-28-015-A	Cutter Shims 0.019” (0.5 mm)	
GBM-28-015-B	Cutter Shims 0.039” (1.0 mm)	
KBM-28U-018	Air Jet Assembly – KBM-28 (recommended for inverted beveller)	

CONVERSION PACKAGE

KBM-28-200 **KBM-28 to KBM-28U Conversion ****
To convert KBM-28U Inverted machine to a KBM-28 Standard machine

**** Consult Factory**

KAT® TRACKER - WELD SEAM TRACKER SYSTEM AND ELECTRONIC ARC HEIGHT SENSOR (E.A.H.S.)

For Operation on 115 Volts, Single Phase, 50/60 HZ, A.C. Power Supply

PART NO.

DESCRIPTION

WSG-1200

KAT® Tracker - Compact Weld Seam Tracker System
55 lb. (25 kg) vertical capacity.



WSG-2200

KAT® Tracker - Heavy-Duty Weld Seam Tracker System
With electronic tack override and end plate detection capabilities. 100 lbs. (45 kg) vertical load capacity.



Cross Slide Lengths available up to 24" (609 mm) **PRODUCT AVAILABLE UPON REQUEST.**

GK-203-400

Electronic Arc Height Sensor – 400 AMP

Travel speed factory set at 10 IPM [25.4cm/min], range of 3 IPM [7.6cm/min] to 17 IPM [43.2cm/min].



GK-203-800

Electronic Arc Height Sensor – 800 AMP

12 lb. (5.4 kg) load capacity

KAMEL ROLLS - PIPE TURNING ROLLS & WELD POSITIONERS

***Specify Voltage When Placing Order A = 42 V – B = 115 V – C = 230 V**

<u>PART NO.</u>	<u>DESCRIPTION</u>
KR-200-L*	Power Pipe Turning Roll
KR-200-M*	High Speed Power Pipe Turning Roll
KR-750	Idler Roll
GP-200-M*	Welding Positioner
GP-300-M*	2" Through Hole Positioner With 2" through hole.
GPP-200-M*	Welding Positioner w/ Gas Purge
GP-200-H*	High Speed Welding Positioner
GP-300-H*	2" Through Hole High Speed Welding Positioner
GPP-200-H*	High Speed Welding Positioner w/ Gas Purge
GP-250-M	Programmable Welding Positioner
GP-350-M	2" Through Hole Programmable Welding Positioner
GPP-250-M	Programmable Welding Positioner w/ Gas Purge
GP-250-H	High Speed Programmable Welding Positioner
GP-350-H	2" Through Hole High Speed Programmable Welding Positioner
GPP-250-H	High Speed Programmable Welding Positioner w/ Gas Purge



KAMEL ROLLS - PIPE TURNING ROLLS, TORCH SUPPORTS AND POSITIONER ACCESSORIES

***Specify Voltage When Placing Order A = 42 V – B = 115 V – C = 230 V**







<u>PART NO.</u>	<u>DESCRIPTION</u>	
KR-1000-CSB	Free standing Torch Support 1-1/8" (29 mm) square Providing 22" (559 mm) of vertical adjustment, 10-1/2" (266.7 mm) horizontal adjustment .	
KR-1000-WSB	Semi-Automatic Support Bracket 1-1/8" (29 mm) Square Provides 22" (559 mm) vertical adjustment, 10-1/2" (266.7 mm) horizontal adjustment.	
KR-2000-CSB	Free Standing Torch Support 1-1/2" (38 mm) Square Providing 18" (457 mm) of vertical adjustment, 6-1/2" (165.1 mm) horizontal adjustment .	
KR-2000-WSB	Semi-Automatic Support Bracket 1-1/2" (38 mm) Square Provides 18" (457 mm) vertical adjustment, 6-1/2" (165.1 mm) horizontal adjustment.	
WPG-250	Self-Centering Bolt-on Gripper for Weld Positioner Capacity .375" (9.52 mm) through 15" (381 mm) and mounting screws.	
WP-400	Self-Centering Bolt-on Gripper for Weld Positioner ** As above, capacity 3/2" (88.9 mm) through 20" (508 mm)	
GP-200-016	Aluminum Mounting Table for Weld Positioner – 12" Diameter Complete with 'T' slots and mounting screws.	
GP-300-002	Aluminum Mounting Table for Weld Positioner – 12" Diameter (used on GP-300 Positioner only) Complete with 'T' slot and mounting screws.	
GP-200-024	On-Off Footswitch Assembly	
GP-200-025	Variable Speed Foot Switch Assembly	
GP-200-023	Forward/Reverse Footswitch Assembly	

**** Consult Factory**

WELDING ELECTRODE STABILIZING OVENS

PART NO.

DESCRIPTION

10A-20	Welding Rod Oven - 20 lb. Electrode Capacity for 115 volt AC/DC power supply; no thermostat. Average temperature 275° F (135° C).	
10A-20-220	Welding Rod Oven – 220V AC/DC – 20 lb. Electrode Capacity	
10B-20	Welding Rod Oven – 100-300°F - 20 lb. Electrode Capacity for 115 volt power supply AC only, with thermostat. Temperature 100-300° F. (38-148° C).	
10B-20-220	Welding Rod Oven – 220V AC/DC – 100-300°F - 20 lb. Electrode Capacity	
50	Welding Rod Oven - 50 lb. Electrode Capacity for 115 volt AC only, with thermostat. Temperature 100-300° F (38-148° C).	
50-220	Welding Rod Oven – 220V AC/DC - 50 lb. Electrode Capacity	
125	Welding Rod Oven - 125 lb. Electrode Capacity for 115 volt AC, with thermostat. Temperature 100-550° F (38-288° C).	
125-220	Welding Rod Oven – 220V AC/DC - 125 lb. Electrode Capacity	
350	Welding Rod Oven - 350 lb. Electrode Capacity for 115 volt AC, with thermostat. Temperature 100-550° F (38-288° C).	
350-220	Welding Rod Oven – 220V AC/DC - 350 lb. Electrode Capacity	
350-H-B	Welding Rod Oven – 115V AC - 350 lb. Electrode Capacity With thermostat. Temperature 100-650° F (38-343° C).	
350-H-C	Welding Rod Oven – 220V AC - 350 lb. Electrode Capacity With thermostat. Temperature 100-650° F (38-343° C).	
1000	Welding Rod Oven - 1000 lb. Electrode Capacity for 220 / 440 volt AC, with thermostat. Temperature 100-550° F (38-288° C).	
1000HTIC (GHTO-186)	High Temperature Welding Rod Oven - 1000 lb. Electrode Capacity** for 440 or 550 volt AC, 3-phase. Temperature 100-850° F (38-454° C). with indicating controller.	
1000HTDP	High Temperature Welding Rod Oven w/ Digital Display - 1000 lb. Electrode Capacity ** for 440 or 550 volt AC, 3-phase. Temperature 100-850° F (38-454° C) with indicating controller and electronic digital programmer.	

**** Consult Factory**

FLUX HOLDING OVENS

PART NO.

DESCRIPTION

GOV-100-FH **Flux Holding Hopper – 100 lb. Flux Capacity**
115 volt, 100-400° F (38-205° C) temperature, 400 watts complete with thermostat, thermometer and shut off valve.



GOV-100-PFD **Portable Flux Holding Hopper – 100 lb. Flux Capacity**
115 volt, 100-400° F (38-205° C) temperature, 400 watts complete with thermostat, thermometer and shut-off valve. Supplied with portable truck and filling bucket.



GOV-200-FD **Flux Holding Oven – 200 lb. Flux Capacity**
115 volt, 100-550° F (38-288° C) temperature, 1500 watts, complete with thermometer and thermostat.



GOV-600-FD3 **Flux Holding Oven – 600 lb. Flux Capacity**
Divided into three (3) compartments; 200 lbs. Each compartment. Temperature range 100-550° F (38-288° C) 4500 watts for operation on either 220 volt or 440 volt. Complete with thermometers and three (3) individual temperature controls. (Please specify voltage at time of placing order).

GOV-600-FDHT **High Temperature Flux Holding Oven – 600 lb. Flux Capacity**
Temperature range 100-850° F (38-455° C) 11,400 watts, with thermometers and three (3) individual temperature controls. For operation on 220 / 440 / or 575 volt, 3-phase power supply. Please specify voltage at the time of placing order).



KAT® VERTICAL OVERLAY BRIDGE SYSTEM

*Specify Voltage When Placing Order A = 42 V – B = 115 V – C = 230 V

<u>PART NO.</u>	<u>DESCRIPTION</u>
GS-474-050-18* GS-474-050-36* GS-474-050-90*	KAT® Bridge System Carriage w/ Oscillation (No Dwells)
GS-474-041	Oscillation Head for Bridge System (No Dwell)
GK-197-O-104	*Required* Bridge System Oscillation Head Control Cable Assembly, 48" long. For Single Oscillator Package with control.
GK-198-002	Bridge System Frame-type Cable Bracket Assembly
<u>OVERLAY HEAD MOUNTING</u>	
GK-171-650	Rack Box (2 required)
GB-413-030	Bridge System Roller Bearing Rack Box (1 required)
GK-171-047-1	Heavy Duty Square Rack Arm: 1-1/8" (29 mm) (2 req.) - 12" (304.8 mm) Long
GS-474-070	Bridge System Rack Arm: 1-1/2" (38 mm) x 48" (1219 mm) (1 req.)

OPTIONAL PARTS

GC-036	Oscillator Head Mounting Package
GS-474-030-90*	KAT® Carriage Lower Unit for Overlay Gantry
GS-474-035-90*	KAT® Carriage Upper Unit for Overlay Gantry
GS-441-021	Remote Control for Upper and Lower KAT® Carriage for Overlay Gantry
GS-474-065-090*	KAT® Carriage Vertical Unit Assembly for Overlay Gantry
GS-474-210	Overlay Gantry Heavy Duty Stiffened Vertical Track Assembly – 10 ft. (3048 mm)



Note: Other Lengths available at an additional PRODUCT per foot
Up to a maximum of 18 ft. (548.6 cm).

GS-474-201	Special Idler Carriage - Upper
GS-441-017	Special Idler Carriage - Lower

HEAVY-DUTY BRIDGE GANTRY CARRIAGES AND TRACK

*Specify Voltage When Placing Order A = 42 V – B = 115 V – C = 230 V

<u>PART NO.</u>	<u>DESCRIPTION</u>
GK-190-P-023	Heavy-Duty Power Drive KAT® Carriage for Gantry System
GK-190-P-026	Special Deep Section Track - 5 ft. (1524 mm)
GK-190-P-025	Special Deep Section Track - 10 ft. (3048 mm)
GK-190-P-024	Heavy Duty Idler Carriage for Gantry System Providing a 12" x 48" (305 mm x 1219 mm) flat surface.
GK-189-044	Small Idler Carriage for Gantry System Providing a 6" x 10" (152 mm x 254 mm) flat mounting surface.
GK-190-P-027	Special Hardened Steel Deep Section Track for Gantry System - 5 ft (1524 mm) ("NO RACK")
GK-190-P-028	Special Hardened Steel Deep Section Track for Gantry System - 10 ft. (3048 mm) ("NO RACK")
	Carriages available in lengths 24" (610 mm) to 60" (1524 mm)
GK-191-P-071	Auxiliary Wire Feed Start Relay Kit
GK-191-P-045-S	Forward/Reverse Limit Switch Kit
GSP-2013	Remote Pendant Control Kit for KAT® Carriage

KAT® TRAVEL CARRIAGE FOR INTERFACE WITH N7500 GOUGING CONTROLLER

Specify Voltage When Placing Order – B = 115 V – C = 230 V

<u>PART NO.</u>	<u>DESCRIPTION</u>
GK-200-RH*-N	KAT® Variable Speed Travel Carriage for interface with N7500 Gouging Controller
GK-171-650	Heavy Duty Rack Box, 6" (152.4 mm) long
GK-171-047-2	18" (457.2 mm) long Heavy Duty 1-1/8" (29 mm) Square Rack Arm
GK-200-017	Gouging Torch Adaptor Stud Attachment
GK-165-052-1	96" (2438 mm) length Aluminum Alloy Standard Track Section
GK-165-215	Track Mounting Devices
N7500	Automatic Gouging System

OPTIONS: **Must be ordered separately.*

PART NO.	DESCRIPTION	PRODUCT EACH
NECESSARY ACCESSORIES		
96-130-304	120V AC Power Supply Cable, 10 ft. (3 m)	
96-130-305	220V AC Power Supply Cable, 10 ft. (3 m)	
96-170-069	Pendant Cable Assembly, 14" (0.36m)	
96-170-070	Pendant Cable Assembly, 15 ft. (5 m)	
96-170-071	Pendant Cable Assembly, 25 ft. (8 m)	
96-170-072	Pendant Cable Assembly, 50 ft. (15 m)	
96-130-335	Motor Cable Assembly, 3 ft. (0.9 m)	
96-130-336	Motor Cable Assembly, 15 ft. (5 m)	
96-130-337	Motor Cable Assembly, 25 ft. (8 m)	
96-130-338	Motor Cable Assembly, 50 ft. (15 m)	
96-130-339	Power Supply Communication Cable Assembly, 15 ft. (3 m)	
96-130-340	Power Supply Communication Cable Assembly, 25 ft. (8 m)	
96-130-341	Power Supply Communication Cable Assembly, 50 ft. (15 m)	
OPTIONAL ACCESSORIES		
96-130-254	DC Power Cable, 4 ft. (1.2 m) <i>(Note: Min. two (2) power cables required)</i>	
96-130-256	DC Power Cable, 15 ft. (5 m) <i>(Note: Min. two (2) power cables required)</i>	
96-130-300	DC Power Cable, 25 (8 m) <i>(Note: Min. two (2) power cables required)</i>	
94-396-051	Air Hose Assembly, 4 ft. (1.2 m)	
94-396-049	Air Hose Assembly, 15 ft. (5 m)	
94-396-048	Air Hose Assembly, 25 ft. (8 m)	

“KATBAK”

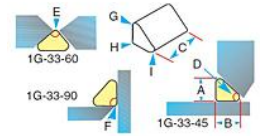
NON-METALLIC WELD BACKINGS

PART NO.	DESCRIPTION	Meters Per Carton
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1G33-60	25 mm x Triangular Ceramic for 60°	12
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Dimensions

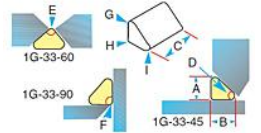
A: 9/16in 14.3mm	B: 5/8in 15.9mm	C: 1in 25.4mm	D: 40°
E: 55°	F: 85°	G: 1/8in 3.2mm	H: 7/64 2.8mm
			I: 3/32in 2.4mm



1G33-90	25 mm x Triangular Ceramic for 90°	12.
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Dimensions

A: 9/16in 14.3mm	B: 5/8in 15.9mm	C: 1in 25.4mm	D: 40°
E: 55°	F: 85°	G: 1/8in 3.2mm	H: 7/64 2.8mm
			I: 3/32in 2.4mm



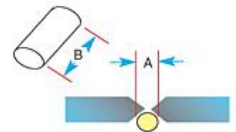
1G6-RD	25 mm x 6 mm Round	12
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1G-9-RD	25 mm x 9 mm Round	12
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1G13-RD	25mm x 13 mm round	12.
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Dimensions

A: 1/2in 12.7mm	B: 1in 25.4mm
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FG-80	25 mm Wide Glass Cloth Heavy Duty Backing Tape for use up to 80 amps	25 m/roll
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FG-160	25 mm Wide Glass Cloth Heavy Duty Backing Tape for use up to 160 amps	12.5 m/roll
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FG-230	25 mm Wide Glass Cloth Heavy Duty Backing Tape for use up to 230 amps	12.5 m/roll
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**We manufacture over 100 different shapes and sizes of ceramic tile. The above are the most common.
If the ceramic tiles you require is not shown, please consult factory.
Minimum Order – One (1) carton**

**All Flat Tiles available in 1" x 1/4" (25.4 x 6.35 mm)
All Flat Tiles available in metal trays.**

CUTTERS – HARRIS TYPE

<u>PART NO.</u>	<u>DESCRIPTION</u>
198-2R-35	2-Hose Acetylene Cutting Torch with 32 pitch rack. Barrel diameter 35 mm (1-3/8 in) x (10 in) long. Quick action cutting oxygen lever and preheat trim valves. Capacity 0-200 mm (0-8 in).
198-2TR-35	3-Hose Acetylene Cutting Torch with 32 pitch rack. Barrel diameter 35 mm (1-2/8 in x 10 in) long. Quick action cutting oxygen lever and preheat trim valves. Capacity 0-380 mm (0-15 in).

PROPANE

198-2FR-35	2-Hose Propane Cutting Torch with 32 pitch rack. Barrel diameter 35 mm (1-3/8 in x 10 in) long. Quick action cutting oxygen lever and preheat trim valves. Capacity 0-200 mm (0 – 8 in).
198-2TFR-35	3-Hose Propane Cutting Torch with 32 pitch rack. Barrel diameter 35 mm (1-3/8 in x 10 in) long. Quick action cutting oxygen lever and preheat trim valves. Capacity 0-380 mm (0-15 in).
TH-98	Adjustable Twin Tip Adaptor For 2 simultaneous cuts from 1 torch. Widths 1.2 – 12 in (30 – 305 mm)
S-98-C	Adjustable Tip Adaptor For bevel cuts with torch remaining vertical.
E-9	Tip cleaners for VVC and VAX nozzles
BV-98-2	Bevelling Head

HOSE ADAPTORS

These adapt torches to accept standard U.K. 3/8 fitted gas hose. Adaptors are supplied with all torches and are included in the above price.

38-2GR	Right Hand (Oxygen)
38-2GL	Left Hand (Fuel Gas)

NOTE:

When using adjustable tip adaptor S-98-C fit also Lifter Bracket GK-190-066 to obtain adequate Torch Height Adjustment.

CUTTING NOZZLES - HARRIS TYPE

REFERENCE

THICKNESS (mm)

ACETYLENE TYPE 6290 – VAX

1VAX		-	8
2VAX	8	-	15
3VAX	15	-	36
4VAX	35	-	75
5VAX	75	-	150
6VAX	150	-	250

PROPANE – TYPE 6290 VVC

5/0 VVC		-	4
4/0 VVC	4	-	6
3/0 VVC	6	-	9
2/0 VVC	9	-	12.5
0 VVC	12.5	-	20
0 ½ VVC	20	-	35
1 VVC	35	-	60
1 ½ VVC	60	-	75
2 VVC	75	-	125
2 ½ VVC	125	-	150
3 VVC	150	-	175
4 VVC	175	-	200
5 VVC	200	-	225
5 ½ VVC	225	-	250

HEAVY DUTY - PROPANE

5NH	225	-	250
6NH	250	-	275
7NH	275	-	300
8NH	300	-	350

TRANSFORMERS

<u>PART NO.</u>	<u>DESCRIPTION</u>
UK 1030	Transformer, 230/42v, 1000va, two sockets
UK 1037	Transformer, 230/110v, 1000va, two sockets
UK 1040	Transformer, 230/42v, 500va, two sockets
UK 1047	Transformer, 230/110v, 500va, two sockets