



PIPE CUTTING AND BEVELING MACHINES

WWW.KEYPLANT.COM

Key Plant[®]
AUTOMATION

Your number one supplier for pipe welding and fabrication equipment

Introducing our new Key Plant Split Frame, the four model lines; KPA, KPE, KPP and KPH, are designed to cover 2" to 120" (50mm- 3000mm) standard range of tube, pipe or vessel diameters.

Key Plant split frames can be set up to cut, bevel, cut and bevel simultaneously, counter-bore, face and much more. Using the advanced accessories, it is easy to change from cutting to counter-boring or flange facing. It only takes a few minutes to interchange from one accessory to another.

The KPA low clearance split frame line covers the standard pipe range and larger can be manufactured on request. Our Split Frames are designed in house within our design departments, both in the UK and US. Key Plant split frames are easy to use and are designed for fast and easy set up. We offer 4 types to handle every situation, **pneumatic, hydraulic, electric** and the option of **servo-electric**.

With the design of the four product lines and advanced accessories, the split frames are the most modern, robust and technically advanced machines available on today's market.

Over the years, customer's demands have changed and by working in collaboration with our long standing customers, Key Plant has continually developed a new range of split frames that are stronger and at the same time, lighter. This is possible by using new materials available on the market today.

Key Plant's split frames are faster due to integral designed gearboxes. Our split frames are easier to use because of their design, developed with machine operators remarks and needs out in the field, feeding this information back to our design team.

Built to last. Made to perform. By constantly improving and testing new materials we were able to achieve new goals.

As the manufacturer, we can react faster than others on special demands. And with our in-house capabilities and the confidence we have in our own product line, we are the only manufacturer to give a 3 year warranty on our machines! Why?... because we are Key Plant, standing behind our products!

Find out more about what we do.
Visit: www.keyplant.com

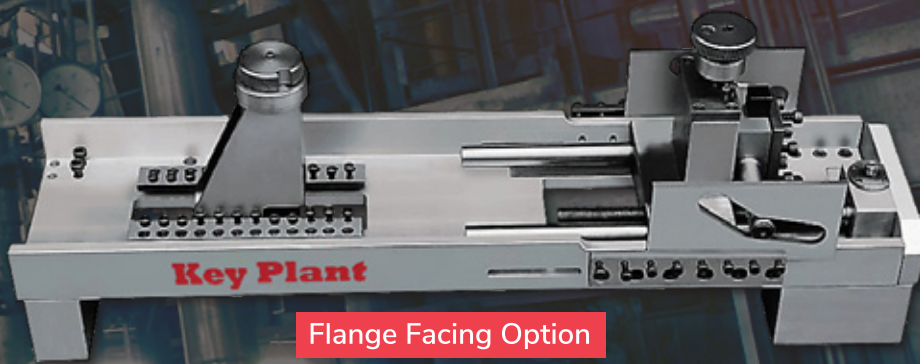
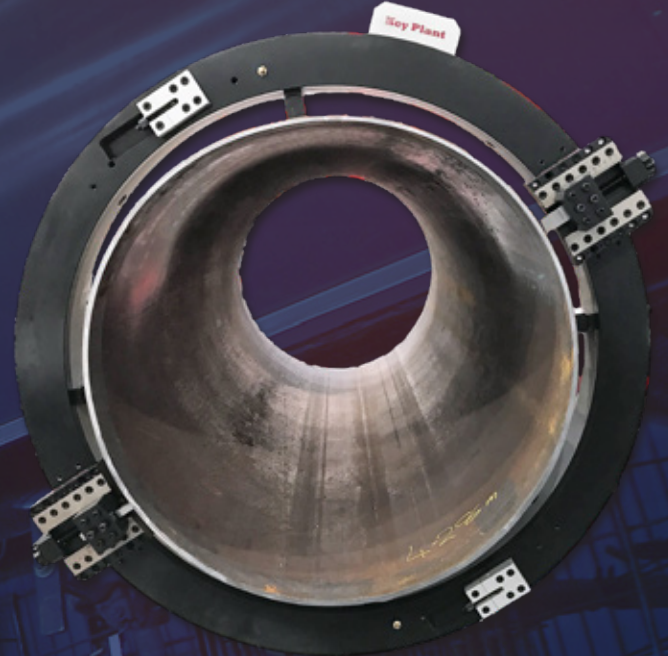
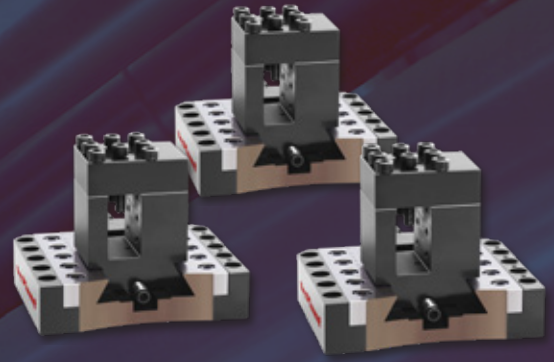
Stay Connected.



Key Plant split frames are manufactured with high grade aluminium, this makes them light but strong. All frames are hardened after machining. Our tool holders have clear readable measurement indicators so that you can easily follow the cutting or beveling depth. Our striker system is designed to be crash free and there are multiple striker and motor positions. Our system can work with multiple motors to create a greater force for cutting high grade and special steels.

Our Key Plant split frame product line is further proof of our innovation as a global leader in welding automation. We have designed and manufactured world-class machines for over 60 years, since our inception in 1956. It started with the design of manipulators and soon we developed and built equipment for major turnkey automation projects. In keeping with our tradition we are doing it again, setting the bar higher with our range of pipe preparation machines.

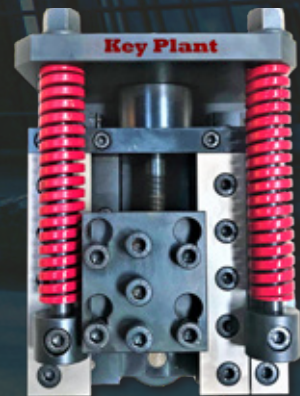
Key Plant OD mounted split frames are more than a cutting tool, they are part of a complete machining system designed to handle most applications.



Flange Facing Option



Standard Cutting & Beveling Tools for KPA Machines



Spring Loaded Toolbox

KPE Series ELECTRIC DRIVEN

Model	KPE2-6	KPE3-8	KPE6-12	KPE10-16	KPE14-20	KPE16-22	KPE18-24
Motor Power	← 1000W-2000W →						
Voltage	← 220-240V - 115V →						
Frequency	← 50/60Hz →						
Working Current	← 6A →						
MAX Wall Thickness	← ≤30mm (Standard Tool Slide) →						
Working Range in mm (OD)	50-168	80-230	168-325	274-426	355-508	400-560	457-610
Working Range in inch (OD)	2-6	3-8	6-12	10-16	14-20	16-22	18-24
Weight (kg)	40	45	55	60	75	80	85

Model	KPE20-26	KPE22-28	KPE24-30	KPE26-32	KPE30-36	KPE36-42	KPE42-48
Motor Power	← 1000W-2000W →						
Voltage	← 220-240V - 115V →						
Frequency	← 50/60Hz →						
Working Current	← 6A →						
MAX Wall Thickness	← ≤30mm (Standard Tool Slide) →						
Working Range in mm (OD)	508-660	550-715	600-762	660-813	762-914	914-1066	1066-1230
Working Range in inch (OD)	20-26	22-28	24-30	26-32	30-36	36-42	42-48
Weight (kg)	95	110	115	120	140	195	230

KPP Series PNEUMATIC DRIVEN

Model	KPP2-6	KPP3-8	KPP6-12	KPP10-16	KPP14-20	KPP16-22	KPP18-24
Air Pressure	← 0.6 - 0.8Mpa (Tested at entrance to motor) →						
Air Consumption	← 1500 - 2000L/Min →						
MAX Wall Thickness	← ≤30mm (Standard Tool Slide) →						
Working Range in mm (OD)	50-168	80-230	168-325	274-426	355-508	400-560	457-610
Working Range in inch (OD)	2-6	3-8	6-12	10-16	14-20	16-22	18-24
Weight (kg)	41.5	42.5	53	60	77	79	85

Model	KPP20-26	KPP22-28	KPP24-30	KPP26-32	KPP30-36	KPP36-42	KPP42-48
Air Pressure	← 0.6 - 0.8Mpa (Tested at entrance to motor) →						
Air Consumption	← 1500 - 2000L/Min →						
MAX Wall Thickness	← ≤30mm (Standard Tool Slide) →						
Working Range in mm (OD)	508-660	550-715	600-762	660-813	762-914	914-1066	1066-1230
Working Range in inch (OD)	20-26	22-28	24-30	26-32	30-36	36-42	42-48
Weight (kg)	96	114	116	120.5	144.5	197.5	236

KPH Series HYDRAULIC DRIVEN

Model	KPH2-6	KPH3-8	KPH6-12	KPH10-16	KPH14-20	KPH16-22	KPH18-24
Power Supply	← 380 - 440V 3Ph 50/60Hz →						
Power	← 12.5Mpa - 2-60L/Min →						
MAX Wall Thickness	← ≤30mm (Standard Tool Slide) →						
Working Range in mm (OD)	50-168	80-230	168-325	274-426	355-508	400-560	457-610
Working Range in inch (OD)	2-6	3-8	6-12	10-16	14-20	16-22	18-24
Weight (kg)	40	45	55	60	75	80	85

Model	KPH20-26	KPH22-28	KPH24-30	KPH26-32	KPH30-36	KPH36-42	KPH42-48
Power Supply	← 380 - 440V 3Ph 50/60Hz →						
Power	← 12.5Mpa - 2-60L/Min →						
MAX Wall Thickness	← ≤30mm (Standard Tool Slide) →						
Working Range in mm (OD)	508-660	550-715	600-762	660-813	762-914	914-1066	1066-1230
Working Range in inch (OD)	20-26	22-28	24-30	26-32	30-36	36-42	42-48
Weight (kg)	96	114	116	120.5	144.5	197.5	236

Cutting & Beveling at any angle



HEAVY DUTY SPLIT FRAME PIPE CUTTING & BEVELING MACHINE

The KPA-HD is designed to cut, bevel, single point, counter-bore and face on the heavy wall pipe and flanges. 8 Models are available from 12" to 120". Able to divide into two parts and easy to install. It is comprehensively used in pipework of oil, gas, petroleum, chemical, boiler, nuclear power, and power supply construction.

Used for heavy wall pipe cutting and beveling, and flange facing.

8 Models, working range for pipe OD 12"-120".

Clamping by multi-point jaws.

Split-frame technology, easy to install on the pipeline.

Cold cutting and chamfering do not affect the material of the pipe.

Automatic feeding, cutting and chamfering at the same time.

Variety of beveling shape: "U", "V", "J", double "V", compound bevels.

Pneumatic, servo electric controller and hydraulic drive.

Non-standard model can be customized



PNEUMATIC DRIVEN

Model	KPP-12-24HD	KPP-24-36HD	KPP-36-48HD	KPP-48-60HD
Pipe Clamping Capacity in mm (OD)	ø305-610	ø610-914	ø914-1240	ø1240-1524
Pipe Clamping Capacity in inch (OD)	12"-24"	24"-36"	36"-48"	48"-60"
Wall Thickness	≤110	≤110	≤110	≤110

Model	KPP-60-75HD	KPP-75-90HD	KPP-90-105HD	KPP-105-120HD
Pipe Clamping Capacity in mm (OD)	ø1524-1910	ø1910-2290	ø2290-2680	ø2680-3050
Pipe Clamping Capacity in inch (OD)	60"-75"	75"-90"	90"-105"	105"-120"
Wall Thickness	≤110	≤110	≤110	≤110

SERVO-ELECTRIC DRIVEN

Model	KPS-12-24HD	KPS-24-36HD	KPS-36-48HD	KPS-48-60HD
Pipe Clamping Capacity in mm (OD)	ø305-610	ø610-914	ø914-1240	ø1240-1524
Pipe Clamping Capacity in inch (OD)	12"-24"	24"-36"	36"-48"	48"-60"
Wall Thickness	≤110	≤110	≤110	≤110

Model	KPS-60-75HD	KPS-75-90HD	KPS-90-105HD	KPS-105-120HD
Pipe Clamping Capacity in mm (OD)	ø1524-1910	ø1910-2290	ø2290-2680	ø2680-3050
Pipe Clamping Capacity in inch (OD)	60"-75"	75"-90"	90"-105"	105"-120"
Wall Thickness	≤110	≤110	≤110	≤110

ABOVE PARAMETERS ARE FOR REFERENCE PURPOSE ONLY

HYDRAULIC DRIVEN

Model	KPH-12-24HD	KPH-24-36HD	KPH-36-48HD	KPH-48-60HD
Pipe Clamping Capacity in mm (OD)	ø305-610	ø610-914	ø914-1240	ø1240-1524
Pipe Clamping Capacity in inch (OD)	12"-24"	24"-36"	36"-48"	48"-60"
Wall Thickness	≤110	≤110	≤110	≤110

Model	KPH-60-75HD	KPH-75-90HD	KPH-90-105HD	KPH-105-120HD
Pipe Clamping Capacity in mm (OD)	ø1524-1910	ø1910-2290	ø2290-2680	ø2680-3050
Pipe Clamping Capacity in inch (OD)	60"-75"	75"-90"	90"-105"	105"-120"
Wall Thickness	≤110	≤110	≤110	≤110

ABOVE PARAMETERS ARE FOR REFERENCE PURPOSE ONLY

HYDRAULIC

Powerful drive, High-efficiency
Stable Performance, Low noise,
Anti-explosion

Ideal for heavy wall thickness & large
size pipe

Hydraulic requirement:
28-50L/min @13Mpa

Electric requirement:
400V 3PH 50/60Hz Rated

Pressure: 13MPa

Rated flow: 28L/min

PNEUMATIC

Explosion Proof

Stable Performance

Easy to maintenance

Air requirement:
1500-3500L/min @0.63-0.8Mpa

Power: 2HP,6HP

Double motor for a large split frame
or heavy wall

NC ELECTRIC

Powerful drive, High-efficiency Low
noise , Stable Performance

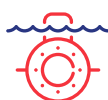
Ideal for heavy wall thickness & large
size pipe

Electric requirement:
230V 1PH 50/60Hz - 400V 3PH 50/60Hz

Power: 2.0KW - 6.0KW

Double motor for a large split frame or
heavy wall

Wall CNC controlled with speed
regulation



UNDERWATER
MOTORS AVAILABLE



ALL KEY PLANT MOTORS HAVE BEEN
DEVELOPED BY MODEC FRANCE

KPI Series

FAST, EASY SETUP, SELF-CENTERING DESIGN

Key Plant **KPI** bevel machines are light weight, self-centering and easy to operate. The KPI range of bevel machines are designed for site and field work. Due to their innovative design, fast and high precise quality of the bevel, they can also be used in the workshop. The Key Plant KPI can be used to make any kind of bevel shape (V - J - compound - facing - counter-bore - shape specific to your drawing). Due to the number of cutting tools, they can carry out operations simultaneously. Thanks to the new generation of high performance motors and innovative engineering, customers can easily bevel the most difficult materials, including super duplex. All KPI machines are supplied with variable speed motors to extend the lifetime of your cutting blades especially on hard materials. With a Key Plant conversion kit, you can convert the KPI's in minutes to a flange facing machine and with different shaft options you can extend the working range. Today, the Key Plant pipe beveling machines are the fastest, strongest and most reliable machines on the market.



Multiple Key Plant technologies

Manufactured in the UK

Large stocks available for sale and rental

Strong, reliable and robust

Precise positioning and control



STANDARD CUTTING
& BEVELING TOOLS
FOR THE KPI SERIES.

OPTIONAL MILITARY
QUALITY DUST AND
WATER RESISTANT IP67
STORAGE BOX FOR ALL
MACHINES AND OPTIONS.



FOR THE HEAVIER MACHINES, THEY
COME WITH A DURABLE CASE WITH
WHEELS AND PULL HANDLE.



KPI1

A highly portable self-centering bevel machine, for use on an extensive range of pipe diameters. Thanks to the powerful motors, customers can easily bevel high alloyed, high performance materials. The KPI1 is able to clamp, on the inside of pipes from 0.5" (15mm) to 1" (25.4mm) smaller shaft options are available. Machines are available in three variations **pneumatic**, **electric** (110v or 230v) or **battery** powered (approved for spark free environment). Due to the optimum engineered design, expensive conversion kits between the motors are not needed. The KPI1 is designed in such a way that the customer can easily switch between different power options on location. The KPI1 can bevel up to 10mm wall thickness with the standard tool kit (optional kit to 15mm available). It incorporates a specific designed clamp changing system, that needs no external tooling to interchange between the different clamping diameters.



Model	KPI1-A	KPI1-E	KPI1-B
Driven	Pneumatic	Electric	Battery
Power Supply	600L/Min - 0.6Mpa	110-220V 1Ph 50/60Hz	18V Battery
Clamping Range	15-25.4mm = 0.5"-1"	15-25.4mm = 0.5"-1"	15-25.4mm = 0.5"-1"
Wall Thickness	Max 10mm	Max 10mm	Max 10mm
Rotation Speed	75r/Min	1-75r/Min	15-35-75r/Min
Weight	6Kg	6Kg	5Kg
Tool Holders	2	2	2

KPI2

A light weight, ergonomic, self-centering bevel machine, for use on an extensive range of pipe diameters. Due to the high-performance motors you can bevel the toughest of materials easily. The KPI2 is able to clamp on the inside of pipes from 1" (25.4mm) to 3" (79mm). smaller or bigger shafts options are available. Machines are available in three variations **pneumatic**, **electric** (110v or 230v) or **battery** powered (approved for spark free environment). Due to the optimum engineered design, expensive conversion kits between the motors are not needed. The KPI2 is designed in such a way that the customer can easily switch between different power options on location. The KPI2 can bevel up to 20mm wall thickness with the standard tool kit (optional kit to 35mm available). It incorporates a specific designed clamp changing system, and an **optional kit** with stainless steel clamping feet is available.



Model	KPI2-A	KPI2-E	KPI2-B
Driven	Pneumatic	Electric	Battery
Power Supply	900L/Min - 0.6Mpa	110-220V 1Ph 50/60Hz	18V Battery
Clamping Range	25.4-79mm = 1"-3"	25.4-79mm = 1"-3"	25.4-79mm = 1"-3"
Wall Thickness	Max 20mm	Max 20mm	Max 20mm
Rotation Speed	75r/Min	1-75r/Min	15-35-75r/Min
Weight	13Kg	13Kg	12Kg
Tool Holders	3	3	3



KPI3

A powerful and light weight, self-centering bevel machine, for use on an extensive range of pipe diameters. Due to the optimum motor solution you can bevel high mechanical strength materials easily. The KPI3 is able to clamp on the inside of pipes from 2.3" (60mm) to 6.2" (159mm). smaller or bigger shafts options are available. Machines are available in three variations **pneumatic**, **electric** (110v or 230v) or **battery** powered (approved for spark free environment). Due to the optimum engineered design, expensive conversion kits between the motors are not needed. The KPI3 is designed in such a way that the customer can easily switch between different power options on location. The KPI3 can bevel up to 30mm wall thickness with the standard tool kit (optional kit to 45mm available). It incorporates a specific designed clamp changing system, and an **optional kit** with stainless steel clamping feet is available. Key Plant has a one-stop, everything under one roof facility, we can design special and bespoke beveling heads for specific jobs on request.



KPI3-E



KPI3-B

Model	KPI3-A	KPI3-E	KPI3-B
Driven	Pneumatic	Electric	Battery
Power Supply	900L/Min - 0.6Mpa	110-220V 1Ph 50/60Hz	18V Battery
Clamping Range	60-159mm = 2.3"-6.2"	60-159mm = 2.3"-6.2"	60-159mm = 2.3"-6.2"
Wall Thickness	Max 30mm	Max 30mm	Max 30mm
Rotation Speed	75r/Min	75r/Min	75r/Min
Weight	27Kg	27Kg	27Kg
Tool Holders	3	3	3

KPI4

An extremely powerful self-centering bevel machine, for use on an extensive range of pipe diameters. Due to the high-performance motors you can bevel high corrosion resistance materials easily. The KPI4 is able to clamp on the inside of pipes from 2.5" 65mm) to 8.4" (215mm). bigger shafts options are available to up 12". Machines are available in two variations **pneumatic** and **electric**. Due to the optimum engineered design, expensive conversion kits between the motors are not needed. The KPI4 is designed in such a way that the customer can easily switch between different power options on location. The KPI4 can bevel up to 40mm wall thickness with the standard tool kit (optional kit to 50mm available). It incorporates a specific designed clamp changing system, and **optional kits** for elbow and flange beveling plus stainless steel clamping feet are available.

THE KPI4 MODEL IS STANDARD EQUIPPED WITH A MODEC MOTOR.

Model	KPI4-A	KPI4-E
Driven	Pneumatic	Electric
Power Supply	1200L/Min - 0.6Mpa	110-220V 1Ph 50/60Hz
Clamping Range	65-215mm = 2.5"-8.4"	65-215mm = 2.5"-8.4"
Wall Thickness	Max 40mm	Max 40mm
Rotation Speed	25r/Min	25r/Min
Weight	40Kg	40Kg
Tool Holders	3	3



KPI5

The largest in the series of self-centering, internal bevel machines, for use on an extensive range of pipe diameters. Due to the optimum motor solution you can bevel the toughest of materials easily including duplex and super-duplex. The KPI5 is able to clamp on the inside of pipes from 5.7" (145mm) to 14" (355.6mm). bigger shafts options are available to up 12". Machines are available in two variations **pneumatic** and **electric**. Due to the powerful and innovative engineered design, expensive conversion kits between the motors are not needed. The KPI5 is designed in such a way that the customer can easily switch between different power options on location. The KPI5 can bevel up to 40mm wall thickness with the standard tool kit (optional kit to 50mm available). It incorporates a specific designed clamp changing system, and **optional kits** for elbow and flange beveling plus stainless steel clamping feet are available. Key Plant has a one-stop, everything under one roof facility, we can design special and bespoke beveling heads for specific jobs on request.

THE KPI5 MODEL IS STANDARD EQUIPPED WITH A MODEC MOTOR.

Model	KPI5-A	KPI5-E
Driven	Pneumatic	Electric
Power Supply	1200L/Min - 0.6Mpa	110-220V 1Ph 50/60Hz
Clamping Range	145-355.6mm = 5.7"-14"	145-355.6mm = 5.7"-14"
Wall Thickness	Max 40mm	Max 40mm
Rotation Speed	25r/Min	25r/Min
Weight	65Kg	65Kg
Tool Holders	3	3



KPO Series

The KPO series is a compact and precise piece of machinery, it is the fastest portable cutting and beveling machine on the market, mainly used for high capacity throughput.

Lightweight
Self centering
Quick and easy set up
Aluminium housing
Strong and reliable
Easy to operate
Simultaneous cutting and beveling
Automatic tool feed
Variable speed motor

Model	KPO1	KPO2
Driven	Electric	Electric
Power Supply	110-220V 1Ph 50/60Hz	110-220V 1Ph 50/60Hz
Clamping Range	14-63.5mm = 0.5"-2.5"	57-114.3mm = 2.2"-4.5"
Wall Thickness	Max 15mm	Max 15mm
Rotation Speed	30-130r/Min	30-130r/Min
Weight	10Kg	10Kg
Tool Holders	2	2



KPB Series

The KPB series has been specifically designed for use in power plant engineering, construction, chemical industries, marine, shipbuilding and on-site repairs. It has the capacity to operate in confined spaces.

Ergonomic

Automatic tool feed

Mobile

Optimum motor solution

Lightweight and powerful

Model	KPB1	KPB2
Driven	Electric	Electric
Power Supply	110-220V 1Ph 50/60Hz	110-220V 1Ph 50/60Hz
Clamping Range	28-63.5mm = 1.10"-2.5"	42-76.2mm = 1.65"-3"
Wall Thickness	Max 15mm	Max 15mm
Rotation Speed	85r/Min	85r/Min
Weight	10Kg	10Kg
Tool Holders	1	1



Key Plant specialises in the manufacture of multiple tooling technologies. Our scope includes in-house tooling design, simulation, engineering, manufacture, installation and on-site support. With multiple tooling options, material grades, carbide inserts, chip breakers for parting, external and internal grooving. We offer high productivity and long tool life, ensuring our customers produce high quality, high volume components.

Contact Key Plant, the complete pipe cutting and beveling manufacturer.

Sizes stated are shown in metric, nearest imperial equivalent are for reference purpose only.



PIPE STANDS

We have extensive stocks of pipe stands, supports and jacks, pipe rollers, and clamping equipment. From thin wall to heavy duty pipe work, small to large diameters we can provide the ideal pipe handling solution.



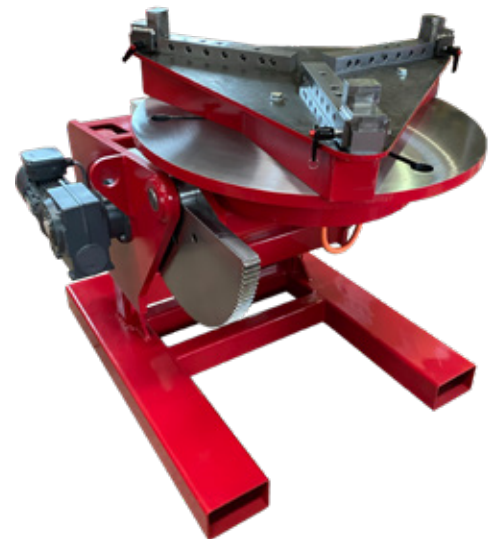
PIPE PURGING

Ensure clean welds with our range of pipe purging products. Purging removes contaminants from the piping and vessels, which minimises chances of corrosion. It plays a crucial role in pipeline, piping, welding and industrial processes.



ELBOW JIGS

Key Plant Elbow Jigs are a must-have accessory when welding elbows with a pipe positioner. Available in various sizes up to 50", the jigs offer additional safety when fitting, prepping, and welding elbows.



GRIPPER CHUCKS

Key Plant manufacture an extensive range of clamps and gripper welding chucks. There are various models which can be used to complement our range of welding positioners and head & tailstocks.

WE OFFER A ONE-STOP SHOP FOR ALL ASPECTS OF PIPE PRODUCTION MANUFACTURE. CHECK OUT OUR FULL PRODUCT PORTFOLIO, VISIT WWW.KEYPLANT.COM

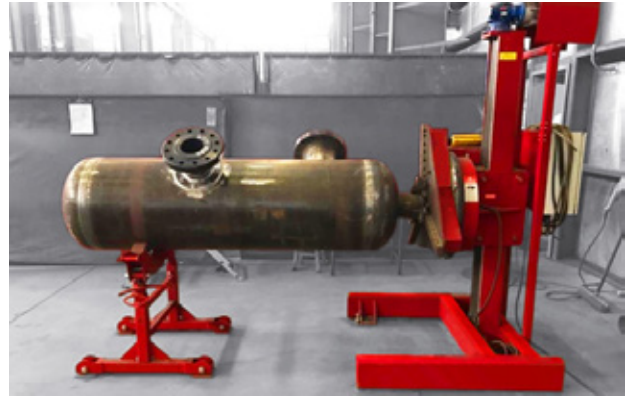
BUILD YOUR SYSTEM

Maximise your pipe welding and fabrication with Key Plant's 'build your system' package. Everything you need to increase your production throughput, and help your business compete at the highest level. Select the weld process, manipulator, positioning equipment, pipe support, clamps and end-prep equipment.



SELECT WELD PROCESS AND WELDING MANIPULATOR

Choose from our PPC, PWS and FCS welding manipulators. Supplied ready to weld with the welding process of your choice. Additional integrated options are available, such as oscillation.



SELECT POSITIONER/HEADSTOCK

We have extensive stocks of adjustable height and fixed height machines. VP, AHVP positioners and HSC, HSVP, PAL (Port-a-Lift) headstocks.



SELECT PIPE STANDS AND SUPPORTS

Key Plant manufacture various pipe stands, jacks, and pipe rollers to safely handle a wide range of pipe diameters and weight capacities.



SELECT END PREP EQUIPMENT

Cut, bevel, cut and bevel simultaneously, counter-bore, face and much more with Key Plant split frames, clamshells and bevel machines.



SELECT PIPE CLAMPING EQUIPMENT

Choose from various options including 3 point clamps, gold clamps for increased strength, single and double chain clamps, and cage clamps.



BUILD YOUR SYSTEM TODAY

Cost-effective, high quality, robust, safe and reliable equipment that helps increase your pipe production output.



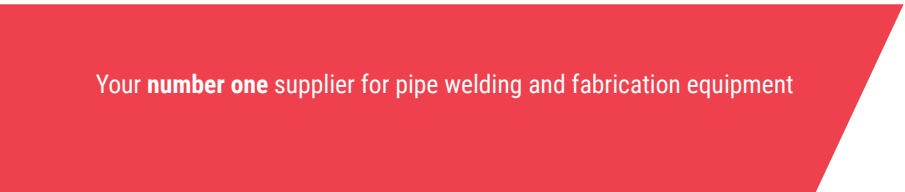
WE SERVE A WIDE AND DIVERSE RANGE OF INDUSTRIES AND SECTORS.

CONTACT KEY PLANT TODAY

CALL +44 (0)1538 388388
EMAIL SALES@KEYPLANT.COM
HEAD OFFICE & WORKS BODE BUSINESS PARK,
BALL HAYE GREEN, LEEK, STAFFS, ST13 6BW UK

CALL 1-832-770-9173
EMAIL USA@KEYPLANT.COM
USA FACILITY 6039 THOMAS ROAD, HOUSTON,
TX 77041, UNITED STATES

WWW.KEYPLANT.COM



Your **number one** supplier for pipe welding and fabrication equipment

