

Key Plant

WELDING & POSITIONING EQUIPMENT

Key Plant's association with the welding equipment market traces back over 45 years, during which time we have continued to supply, develop and update from the earlier manual welding process, through to our more recent fully automated turnkey installations.

The business began in 1956 as Courtburn Welding acting as agents for Yates and Macobe Positioning Equipment. In 1980 Key Plant purchased Murex Positioning Equipment (MPE) from BOC.

Throughout the past 20 years Key Plant have continued to fulfil the requirements of the demanding and quality conscious environment, through our commitment and development of the working relationships with both end users and world-wide Key Plant distributors.

One such association was with Bode Positioners. Key Plant co-ordinated and supplied their full rental business and all of the refurbished and second-hand machines that they sold until their demise in 2001. Following this Key Plant purchased the ex Bode factory including machine tools, fabrication equipment, every jig and fixture, the complete stores and spares department and a large range of surplus, new and second hand Bode machines. Since this acquisition Key Plant have re-organised the factory and employed key Bode personnel, including electrical engineers, mechanical fitters, fabricators, machine operators and design engineers.

In 2002 Key Plant introduced a service company, "Key Plant Service" offering a 24 hour a day emergency response for repair and calibration for all types of welding and positioning machines and offering annual service contracts.



Head Office: Regent Rd, Liverpool L3 7DS England



Works: Bode Business Park, Ball Haye Green, Leek, Scaffs ST13 6BW England



3 Ton Elevating Headstock fitted with a 2 jaw HP type self centering chuck

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HEADSTOCKS



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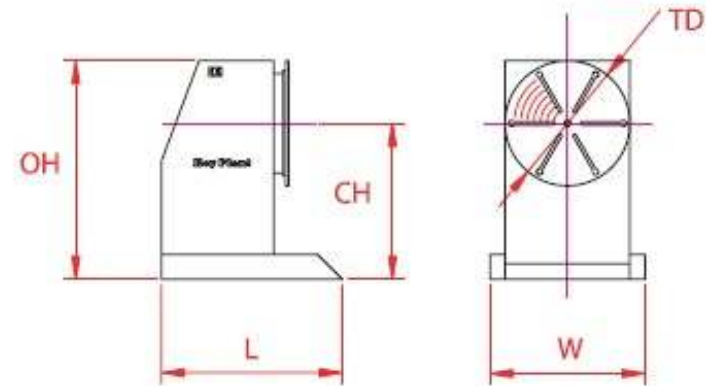
HEADSTOCKS



Model HBC VPH5 with Adjustable Pipe Support.



2 Ton Headstock with 3 Jaw Self Centering Chuck.



	500kg	1TON	2TON	3TON	5TON	7.5TON	10TON	15TON	20TON	30TON
MODEL	HSVP0.5	HSVP1	HSVP2	HSVP3	HSVP5	HSVP7.5	HSVP10	HSVP15	HSVP20	HSVP30
Centre of Gravity (C of G) (mm)	150	150	150	150	150	150	300	300	400	500
Eccentricity (ECC) (mm)	150	150	150	150	150	150	300	300	300	300
Table Diameter (mm) TD	610	920	920	920	1,200	1,200	1,500	1,800	1,800	2,200
Overall Height to Centre of Table (mm) CH	900	1,000	1,000	1,000	1,200	1,350	1,500	1,600	1,600	1,900
Rotation Speed Min. (RPM)	0.07	0.07	0.07	0.07	0.07	0.07	0.033	0.033	0.033	0.033
Rotation Speed Max. (RPM)	1.40	1.40	1.00	1.00	1.00	1.00	0.66	0.66	0.66	0.66
Overall Height (mm) OH	800	850	850	850	950	1,020	1,020	1,050	1,500	1,500
Degrees of Table Rotation	360	360	360	360	360	360	360	360	360	360
Earthing (amps)	300	300	300	300	300	300	300.00	600	600	600
Power Supply (Volts)	220/240V	220/240V	220/240V	220/240V	220/240V	380/415V	380/415V	380/415V	380/415V	380/415V
Length (mm) L	600	750	750	1,000	1,200	1,500	1,850	2,000	2,300	2,700
Width (mm) W	680	920	920	1,000	1,200	1,500	1,850	2,000	2,300	2,700
Weight (kg)	450	560	1,000	1,400	1,900	3,000	4,100	5,100	5,900	7,200

ALL OF THE ABOVE MACHINES ARE MODEL TYPES HSVP AND ARE VARIABLE SPEED ROTATION. KEY PLANT CAN SUPPLY MODEL TYPE HSSP FOR SINGLE SPEED ROTATION. For model type HSSP - Specification changes would be as follows: Rotation Speed: 1.00 Rpm for models up to 7.5 Ton capacity - 10 Ton and upwards 0.66 Rpm. Power Supply: 380 - 415 Volt. All other details would be the same. Head and Tailstock machines can be supplied without a table / face plate.

Other options include:

A fixture or tooling to accommodate the work piece



Self Centering Gripper Chucks or Clamps



WP Range



WPS Range



HP Range

Optional extra - Adjustable height pipe support with the option of a stationary base or traversing undercarriage (see photo HBCVPH5 with pipe support).

HOLLOW BORE HEADSTOCKS

Key Plant manufacture a hollow bore Headstock (see examples below) to allow a long work piece to pass through the centre of a self centering 3 Jaw Chuck and exit through the other side (see photo on the front cover)

Model HBC VPH5



Clamping Range 150mm - 304mm

Model HBC VPH5



Clamping Range 150mm - 600mm

ELEVATING HEADSTOCKS

Key Plant manufacture elevating head and tailstocks (see examples below). The advantage of using this type of machine is to allow the operator to elevate the work piece up and down to raise and lower through 360° to rotate and reposition the component.



Headstock with Face Plate



Headstock with gear ring for customers to attach fixture to.