KarbenD

HORIZONTAL BENDING MACHINES

KarbenD
BP 20 HORIZONTAL PRESS
MADE IN TURKEY

BP / BP NC

Highly versatile, multi-purpose pressing machines

01

TONNAGE RANGE

The BP Range is available in a variety of tonnages, from 10 to 200 depending on your pressing requirements.

02

ROBUST

The heavy-duty frame of the BP ensures that it's ready for a wide range of tasks, including bending, pressing, folding and even shearing.

03

FLEXIBLE

A vast range of tooling available for all manner of workshop tasks, sheet bending or straightening, tube bending, shearing, rotary bending and much more!

04

VERSATILE

Tooling heights range from 150mm all the way up to 300mm, with a range of Multi-Way V-Dies to suit any bending requirements.

05

CONTROL

Foot Pedal Control with Two Position Digital Readout, or upgrade to the NC model for additional control, programming and repeatability.

HEAVY DUTY FRAME

The robust frames are built to last, with powerful hydraulics for heavy workshop use.

FOOT PEDAL WITH DIGITAL READ OUT

The foot pedal control offers a two position digital readout (Actual Position, Adjustable Forward Stroke Poisition and Adjustable Return Stroke Position).

ACCURACY & REPEATABILITY

Each machine features a measured rule stop, allowing for fast, accurate and repeatable folding or bending processes.

EFFICIENCY

The forward and return bending stroke travel can be set with minimum travel, sufficient enough to reload the material therefore reducing cycle time.

PERFECT FOR PROTOTYPING

BP’s are perfect for prototyping and experimenting before a full production run.

PRODUCTION READ

With measured rules and stroke limits, you can quickly configure a BP for a production run, whether it’s 10 pieces, or 10,000.

NC CAPABLE

As well as the standard foot pedal, we can also offer the machine with an NC Controller, and an optional powered backgauge for further productivity.

NC CAPABLE

These machines are extremely adaptable and capable of a wide range of bending applications. Speak to us about your requirements, and what tooling you would need.

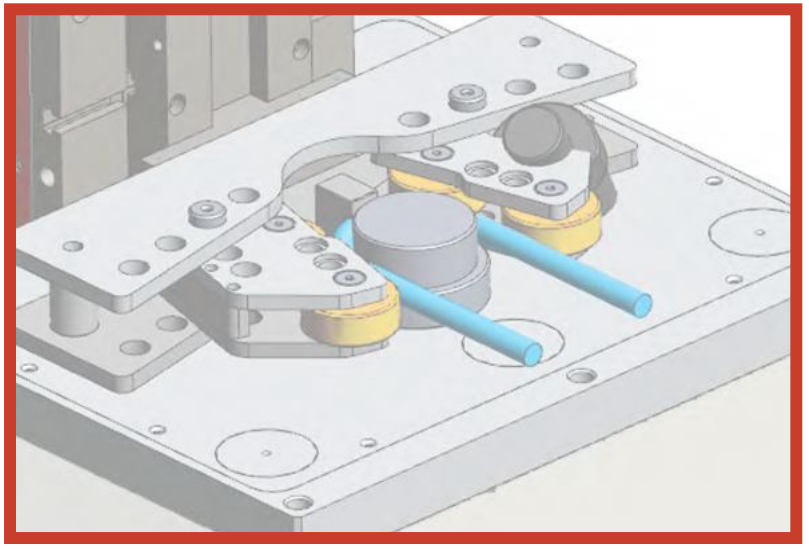
Tooling Range

The KARBEND Machinery BP Range can be fitted with a vast range of tooling, to suit your requirements, from bending, folding, cropping or straightening and more!

The standard tooling for all BPs is a v-die and punching tool.

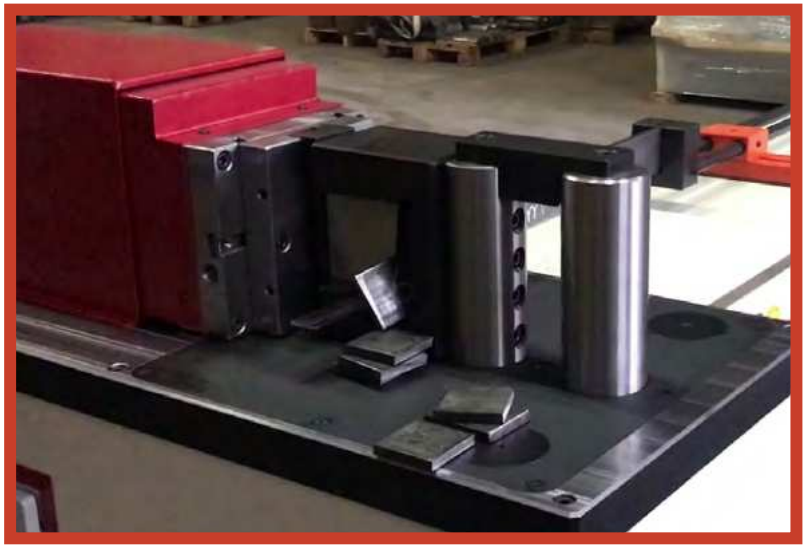
A 30° bolt punch, paired with a multi-way v-die for tighter than 90° folds.

2 jaw bending tool for thick wall pipes up to 90°.



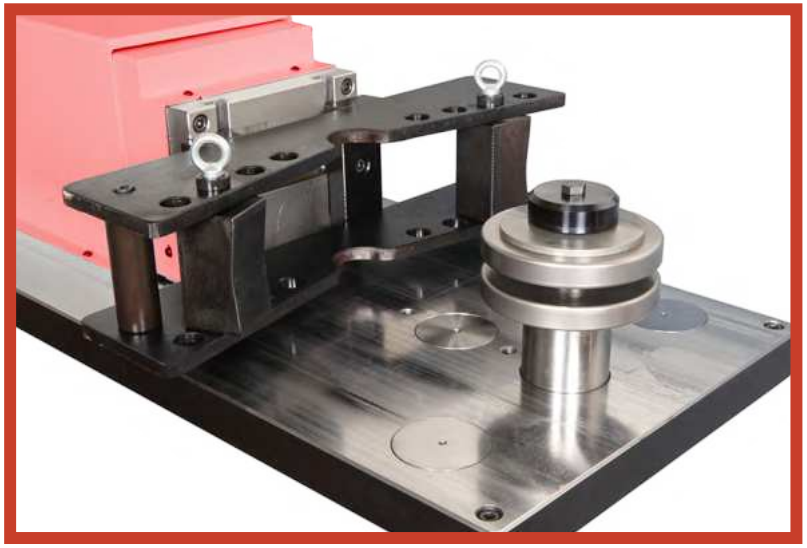
4 jaw bending tool for round, square, rectangular bars and thick pipes up to 180°.

Tooling Range



Shearing / Cropping unit for flat bars.

Standard tooling with anti-deflection bar starting from 50 ton and bigger machines.

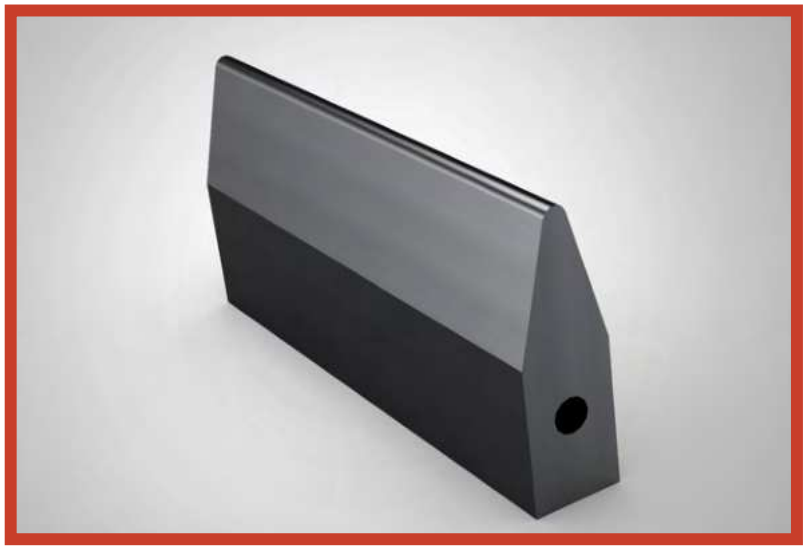


Flat bar bending tool.

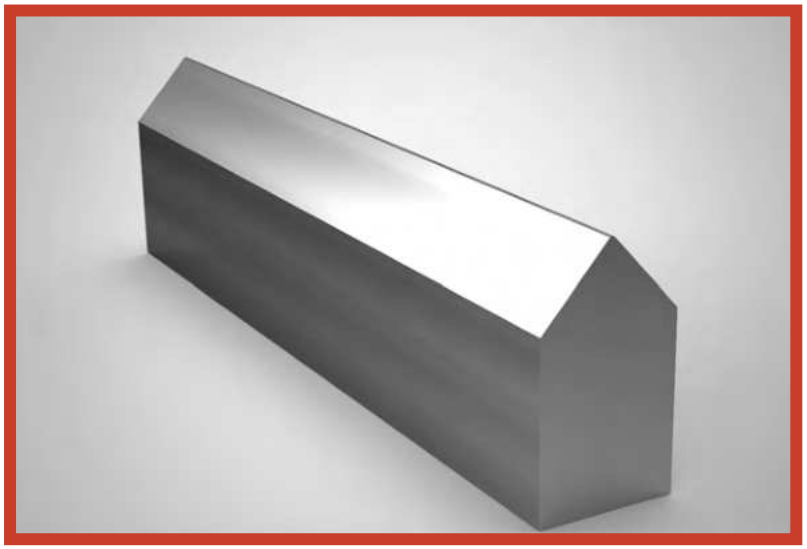
Pipe clamp pressing and forming tool for flat bar bending.

Tooling Range

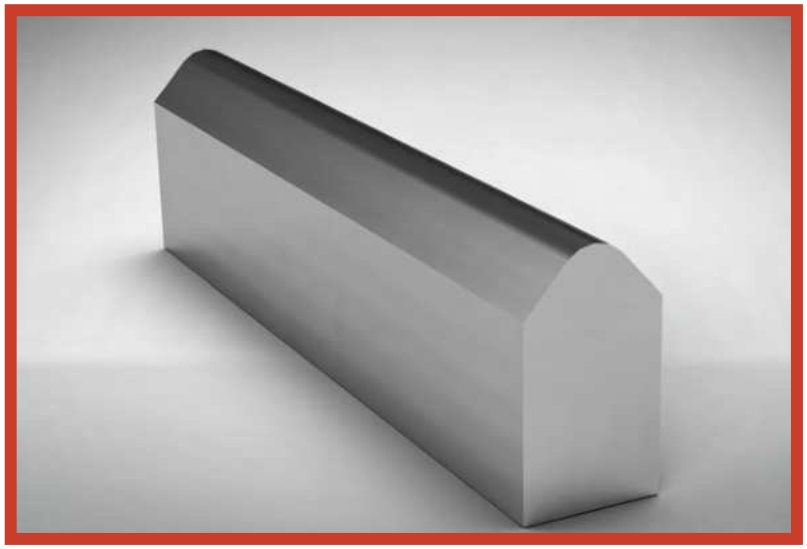
These are just some examples of the standard punches and dies available for the BP Range.



R5 30° Punch (Other Radii available) - Standard sizes include R1, R5 and R10



R5 85° Punch (Other Radii available) - Standard sizes include R1, R5 and R10

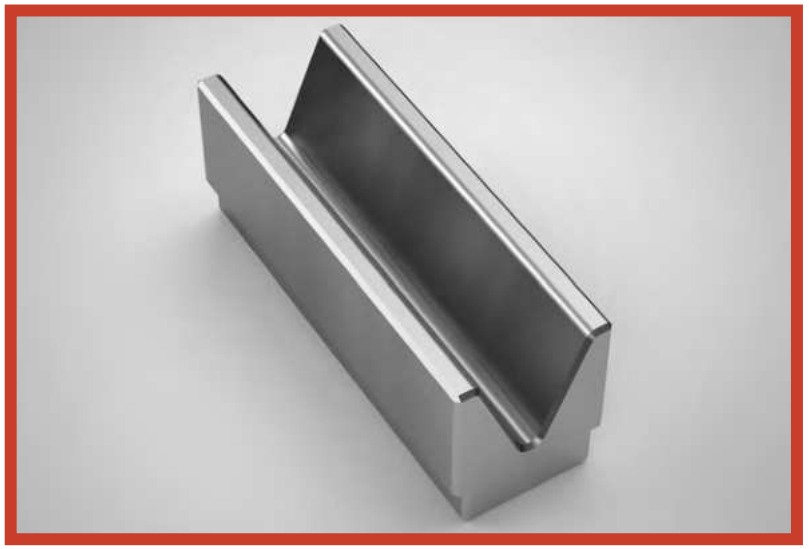


R10 85° Punch (Other Radii available) - Standard sizes include R1, R5 and R10

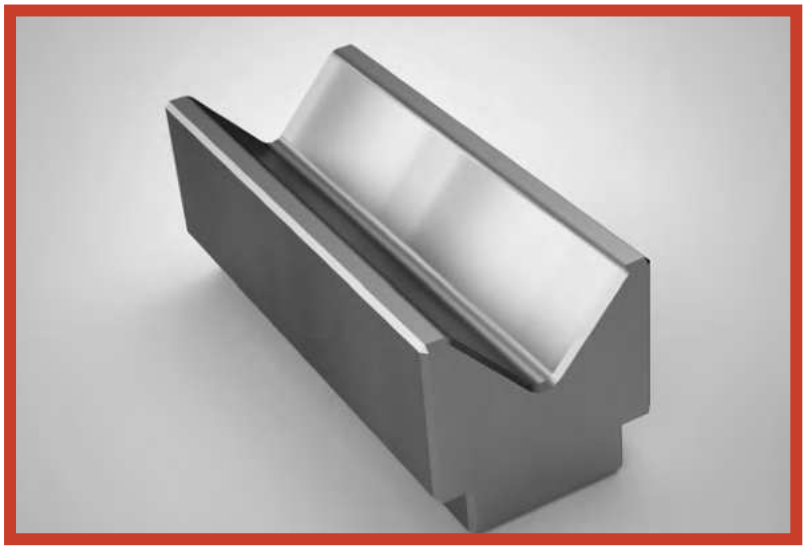
Multi-V 4-Way Die (Sizes include 16, 22, 35 and 50).

Tooling Range

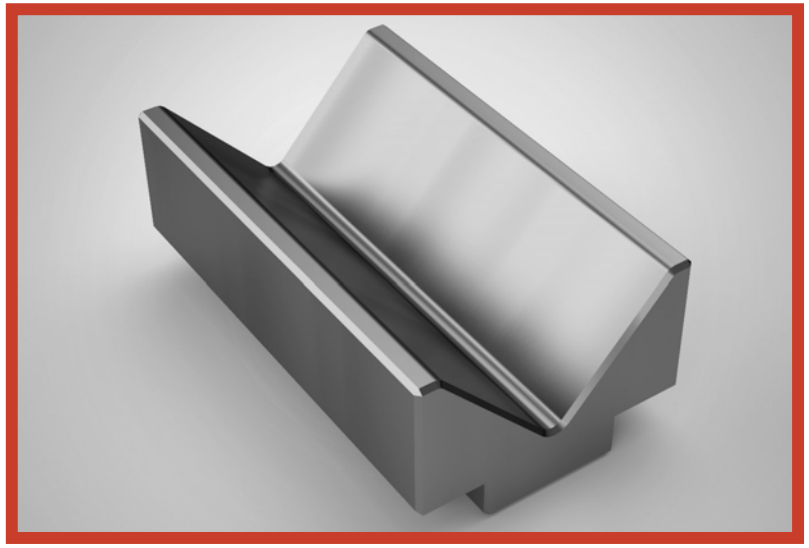
Standard V-Die sizes include 50, 63, 80, 100, 125 & 160



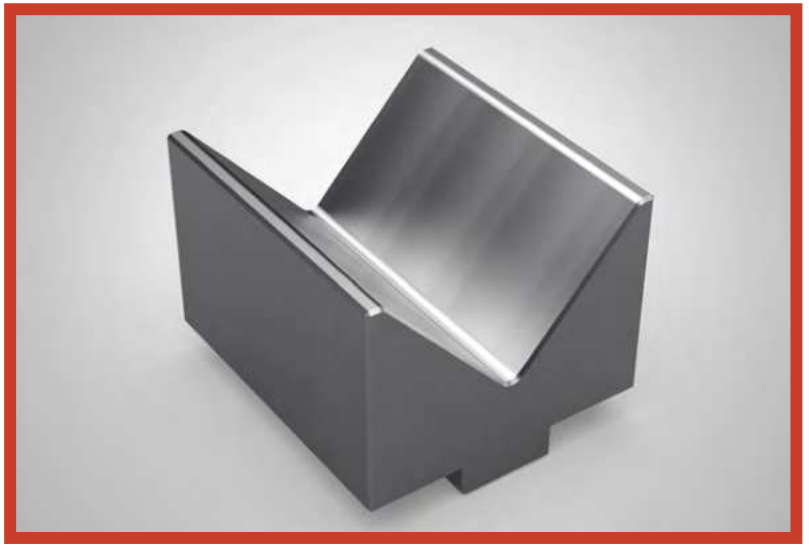
V50 60° V Die



V63 85° V Die



V80 85° V Die



V125 85° V Die

Tooling Range

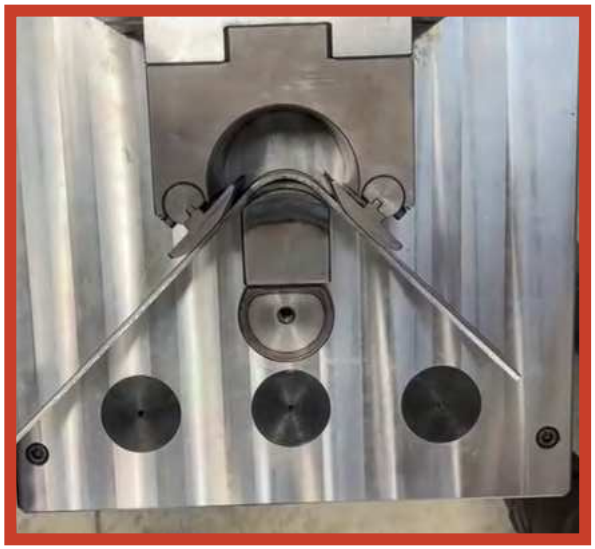
We can also offer custom tooling for individual parts or projects to match specific needs that you have, below is an example of some of the tooling we can offer.

Larger V dies for bending thicker plates

Flat bar straightening tool.

4 jaw bending tool with 30° bolt punch for bending specific profiles.

Self-Closing tooling for creating closed shapes (squares, circles etc).



Single die tool, with revolving pin for mark-free bending on plate.

NC Controller

The NC Controller supplied with this machine allows you to save up to 99 programmes, of 15 steps each.

Perfect for regular jobs, or repeated steps for a larger or complex project. The optional automated back gauge will improve productivity even further.

NC CONTROLLER - AUTO / MANUAL MODES

NC CONTROLLER - 15 STEPS PER PROGRAMME

TECHNICAL SPECIFICATIONS

MODEL		BP 10/150	BP 20/200	BP 30/250	BP 40/250	BP 50/300	BP 80/300	BP 100/300
Max Pressure at 200 bars	ton	10	20	30	40	50	80	100
Oil Tank Capacity	lt	12	30	40	70	70	70	70
Bendinc Capacity Flat Material	mm	150 x 8	200 x 12	250 x 12	250 x 24	300 x 15	300 x 20	300 x 25
Bending Capacity Round Tubes	mm	42 x 3.2	48 x 4.0	60 x 4.0	60 x 5.0	76 x 4.0	90 x 9	114 x 10
Max Stroke	mm	185	185	285	285	285	285	285
Diameter of Bolts	mm	60	80	80	80	90	105	105
Height of Toolings	mm	150	200	250	250	300	300	300
Working Speed	mm/sec	10	10	10	10	10	10	10
Return Speed	mm/sec	10	10	10	10	10	10	10
Motor Power	Kw	1.1	2.2	3	4	5.5	7.5	11
Net Weight	Kg	300	530	1050	1050	1450	1700	1700
Size of the Table (LxW)	mm	450 x 900	480 x 1060	660 x 1250	660 x 1250	600 x 1250	750 x 1425	750 x 1425
Working Height	mm	915	930	930	930	930	930	930
Length	mm	900	1150	1250	1250	1400	1430	1430
Width	mm	450	480	650	650	600	750	750
Height	mm	1130	1200	1250	1250	1500	1450	1450
Size of Packing (LxWxH)	mm	100 x 500 x 1500	600 x 1150 x 1700	700 x 1280 x 1750	700 x 1280 x 1750	1450 x 650 x 1800	1500 x 750 x 1800	1500 x 750 x 1800

Visit our website

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Geçit Mh. 2. Gündoğdu Sk. No:118 Osmangazi / BURSA TURKIYE
contact the sales team at Karbend Machinery

info@karbend.com
+90 541 357 64 62
www.karbend.com

"With today's ever evolving technology and the automation of so many manufacturing processes, we strive to constantly improve and develop machines that will exceed your needs and stand the test of time"