

Dynobend[®] CB iBend

Rotary-draw and freeform combi bending machine

This servo-controlled, all-electric rotary-draw and freeform bending machine for cold forming of tubes and profiles, offers through its unique design an extremely large room of freedom around the bending head. With the patented vertical clamping system, even complex geometries are made easily on this machine. Rotary-draw and freeform bending tasks can be combined in one tool. Established in single and serial production in various industries this machine meets the most diverse requirements of our customers.

Your advantages

- All-electric drive
- Simple tool set-up = short setup times
- Greater space around the bending head
- Patented vertical tool system
- Combination of rotary-draw and freeform bending in one tool possible
- Ergonomic loading
- Unique machine design
- Compact construction with integrated cabinet
- User-friendly input via color touch screen and keyboard
- Suitable for cell production

MODELS

Model	Capacity steel S235JR (400N/mm²)
CB12 iBend	12 x 1,5
CB25 iBend	25 x 2
CB40 iBend	40 x 3
CB60 iBend (VZB)	62 x 5
CB76 iBend (VZB)	76 x 3
CB90 iBend VZB	90 x 5
CB125 iBend VZB	125 x 8

For all models in the CB series machine, the following specifications apply:

The machine has standard:

- Servo-driven bending head (c-axis)
- Servo-driven longitudinal transport by means of ball screw (y-axis)
- Servo-driven bend die up and down opening (u)
- Servo-driven clamping of bend die (k)
- Servo-driven retainer (g-axis)
- Servo-driven spatial rotation clamping jaw (b-axis)
- Servo-driven mandrel withdrawal (d-axis)
- Clamping jaw holder (s-axis)
- Wiper die preparation

The software of the machine has standard:

- Programmable longitudinal displacements
- Programmable bending angles
- Programmable speeds
- Programmable rotation angles
- Programmable mandrel withdrawal
- PC controller with EtherCAT system
- Hard disk for the storage for over 10.000 bending programs
- Automatic calculation of the spring back correction and/or radius table
- Online service preperation with Netop (Team Viewer optional)
- Network connection for Windows and Linux
- Freestanding mobile operating console with color touch screen