



# P32 Technical sheet

Our benders are designed to be highly productive and enduring over time.

In order to make them extremely versatile, our machines were conceived in different versions: they can be fitted with a high or low working bench, with two or four saddles, either long or short.

Final users will therefore be able to operate them freely and with a great level of ease, according to their needs.

The powerful gearbox, made of robust laminate and immersed in a special oil bath, doesn't require any kind of maintenance.

All inside components are built in special, heat-treated steel; additionally, helical gears allow for the workload to be evenly distributed among them, so as to make them virtually undestroyable.

All reduction and other gears are assigned a serial number so as to guarantee traceability.

Icaro benders are equipped with a self-braking motor and the electrical wiring components all come from the most renowned suppliers.

**Every machine is bluetooth ready: by simply adding an optional antenna module, customers will benefit from a diagnostics system able to check the functioning status of each piece.**



## Standard version

WORKING BENCH	SADDLES LENGTH	NUMBER OF SADDLES
LOW	SHORT	2

Extraordinary versatility is what really distinguishes Icaro benders from other products of the same

type: a high working bench makes maintenance procedures really easy because it avoids the sedimentation of metal powder on the working disc and in the gearbox. Being able to choose between long or short saddles gives end users great freedom while working and when installing optionals.

## Technical features

WEIGHT Kg	350
MEASUREMENTS cm	76x70x83
MOTOR (50Hz)kW/HP	2,2/3
MOTOR (60Hz)kW/HP	3,6/5
rpm (50Hz)	9
GREASE kg	5
WORKING DISC Ømm	320

Our cutters follow CE standard European and worldwide regulations.

Quality control on our machines comply with ISO9001/2008 norms.

### ICARO MACHINERY S.R.L.

Via delle Industrie, 5 – 24040 Lallio (BG) – Tel.+39 035254042 – Fax: +39 035401764

Codice fiscale e partita IVA: IT07381070155 – capitale sociale € 87.000,00.

REG. IMP. MI07381070155 – C.C.I.A.A. REA BG-404001

<http://www.icaromachinery.com> – [icaro@icaromachinery.com](mailto:icaro@icaromachinery.com) - <http://vimeo.com/channels/icaromachinery>



# P32 Technical sheet

## Bending capacity

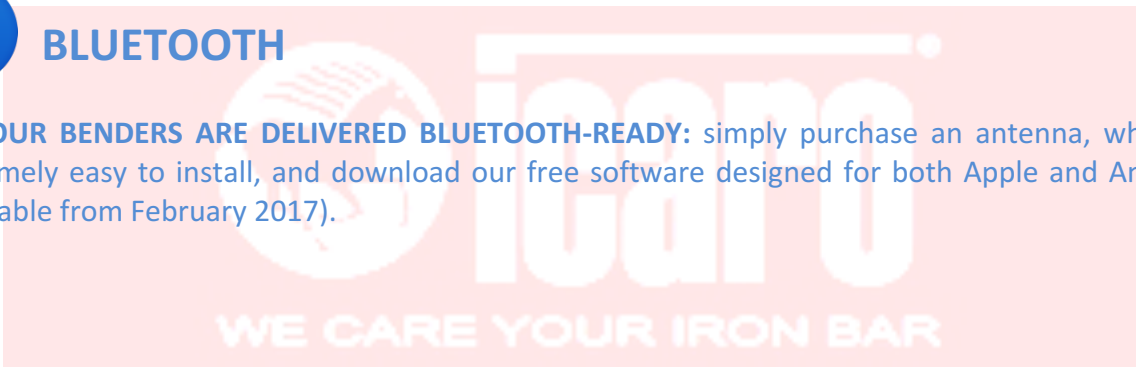
65 kg/mm2			85 kg/mm2		
1	2	3	1	2	3
26mm	20mm	16mm	24mm	18mm	12mm

All our tests were carried out using iron bars coming from all over the world. The iron bars we used all followed these standards: *DIN 488, BS 4449/2005, BS4449/97, ASTM/A706/ A706M-00, ASTM/A615M-2000, UNE 36068, LNEC E450, NEN6008 (NL), NF A 35080-1, SD490 with different GRADE and toughness.*



## BLUETOOTH

**ALL OUR BENDERS ARE DELIVERED BLUETOOTH-READY:** simply purchase an antenna, which is extremely easy to install, and download our free software designed for both Apple and Android (available from February 2017).



## Equipment of bushes and pins

STANDARD	OPTIONAL
1 Ø50mm bush	
1 Ø60mm bush	
1 Ø70mm bush	
1 Ø80 mm bush	
3 Ø30/32mm pins	
1 30mm square pin	
1 Ø30mm stirrup bending pin	
1 checking block	

The heat treating process used on all equipment is the result of numerous years of studying and experience in our field; the variety of bars used to test the components of our machines represents all the possible degrees of hardness available on the market. All components have proven great endurance. All pins are made of 18NiCR steel and have been through a carbonitriding and tempering process. All bushes and square pins are made of carbonitrided C45 steel, while checking block are made of C45 steel.

### ICARO MACHINERY S.R.L.

Via delle Industrie, 5 – 24040 Lallio (BG) – Tel.+39 035254042 – Fax: +39 035401764

Codice fiscale e partita IVA: IT07381070155 – capitale sociale € 87.000,00.

REG. IMP. MI07381070155 – C.C.I.A.A. REA BG-404001

<http://www.icaromachinery.com> – [icaro@icaromachinery.com](mailto:icaro@icaromachinery.com) - <http://vimeo.com/channels/icaromachinery>



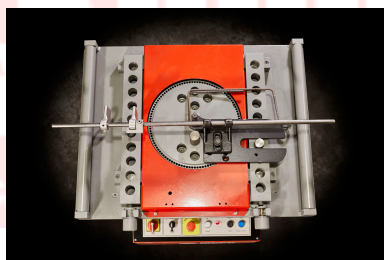
# P32 Technical sheet

## General equipment

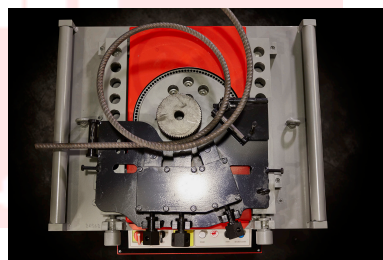
STANDARD	OPTIONAL
1 four wheel set	Spiral tool
1 wheel block set	Angle control panel
1 pedal control	5 bend-programming electric panel
1 taper pin	Arm for big radii
1 magnetotermic switch	Linear measurer tool
1 hex key set for maintenance work	Proximity switch
1 Limit switch	<b>Bluetooth antenna module</b>
<b>Bluetooth ready module</b>	4 leg set
1 reversing and grip pins set	C.E. front protection
<b>Digital display voltage indicator (60V-500V)</b>	



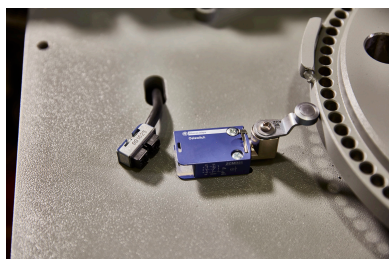
Standard equipment



Linear measurer tool



Spiral tool



Proximity switch



Bluetooth antenna module



Low/short saddles

---

### ICARO MACHINERY S.R.L.

Via delle Industrie, 5 – 24040 Lallio (BG) – Tel.+39 035254042 – Fax: +39 035401764

Codice fiscale e partita IVA: IT07381070155 – capitale sociale € 87.000,00.

REG. IMP. MI07381070155 – C.C.I.A.A. REA BG-404001

<http://www.icaromachinery.com> – [icaro@icaromachinery.com](mailto:icaro@icaromachinery.com) - <http://vimeo.com/channels/icaromachinery>

