



# TP30/35 Technical sheet

Icaro's combined machines represent the ideal balance between quality and practicality.

This machine is the best solution for small-size construction sites, namely because it combines two functions in one product: customers will be able to use it to both cut and bend iron bars of different sizes. The bidirectional working bench makes this machine extremely easy to handle as it allows any kind of bending without having to shift the bar. The robust reduction gearbox encloses an grease bath where gears and pinions made of heat-treated steel are located.

The machine is also fitted with superior quality, interchangeable steel blades.

Finally, our combined machines are available with high or low saddles, depending on the working needs of each customers, and all come with a wide range of pins and bushes.



## Standard version

WORKING BENCH	SADDLES LENGHT	NUMBER OF SADDLES
LOW	LONG	2
HIGH	LONG	2

Extraordinary versatility is what really distinguishes Icaro combined machines 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	450
MEASUREMENTS cm	85x110x85
MOTOR (50Hz)kW/HP	2,2/3
MOTOR (60Hz)kW/HP	2,64/3,5
rpm (50Hz)	9
GREASE kg	5
WORKING DISC Ømm	320

Our combined machines 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>



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## Cutting capacity

65 kg/mm <sup>2</sup>			85 kg/mm <sup>2</sup>		
1	2	3	1	2	3
26mm	20mm	16mm	22mm	18mm	14mm

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.*

## Bending capacity

65 kg/mm <sup>2</sup>			85 kg/mm <sup>2</sup>		
1	2	3	1	2	3
30mm	24mm	18mm	28mm	22mm	16mm



**BLUETOOTH**



**ALL OUR COMBINED MACHINES 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 Ø80mm bush	
1 Ø95mm bush	
3 Ø 30/32mm pins	
1 30 mm square pin	
1 Ø30mm stirrup bending pin	
1 checking block	
	bussola Ø100mm

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.

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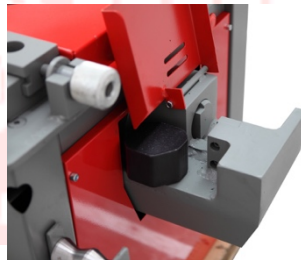
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## General equipment

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



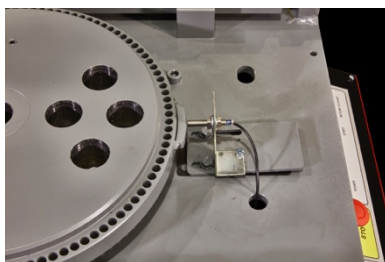
C.E. protection



Blades set



Reversing and grip pins



Limit switch



Bluetooth antenna module



Digital voltage indicator

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