

**COMMERSALD IMPIANTI**

# TPS 156RD

**SEMI-AUTOMATIC PORTAL  
FOR HARDFACING ON  
CERAMIC DIES**

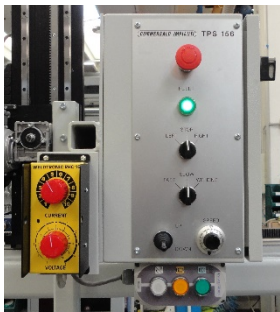
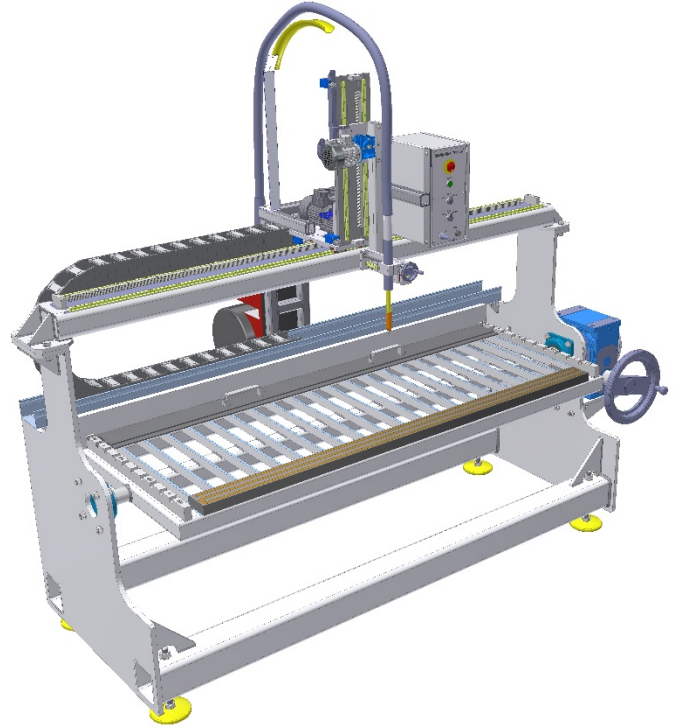
**TPS 156RD is a semi-automatic installation developed specifically for the hardfacing on dies for the Ceramic Tiles Industry.**

The standard version has a working bench size of mm 2000x800 and it accepts a maximum load of kg 500.

The tilting from 0 to 60° is obtained manually and helped thanks to a gearbox.

The bench is equipped with a bar to adjust the dies position, manually moved.

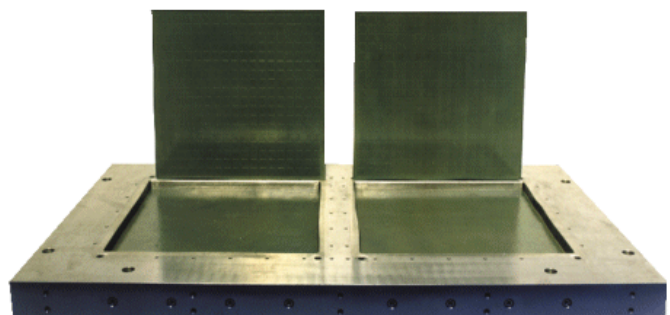
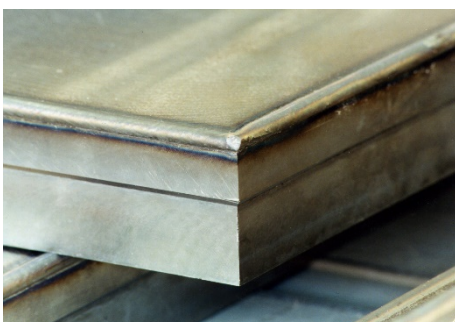
Upon demand it is possible to complete the machine with a magnetic table, electrically driven.



The control panel of the machine drives the main motion functions and it is mounted on the longitudinal axis. The control panel is integral with the axis, so that the operator always works closed to the welding area.

As far as the welding machine is concerned, Commersald Impianti offers the maximum flexibility in the choice of the most suitable machine, in accordance with the customer's needs.

In any case, our long experience in the field has brought us to identify the welding machine Weldtronic Synertec 6003 as the most suitable model for this application. It is about an inverter synergic machine, complete of roller feeder with four rolls and Binzel torch. All the parts are supplied already mounted in the machine, including the remote control of the welding machine, so that the machine is immediately operative.



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<b>TECHNICAL FEATURES of the standard version TPS156RD - 800</b>			
<b>FEATURES OF THE MOTION</b>			
<b>Structure</b>	Stroke Z axis – Motorised	mm	490
	Stroke X axis – Motorised	mm	2090
	Stroke Y axis – Manual	mm	170
	Bench tilting – Manual	°	0 – 60°
<b>Tile die</b>	Max size of the bench	mm	2000x800x50
	Max weight of the die	kg	500
<b>MAIN FEATURES OF THE WELDING MACHINE WELDTRONIC SYNERTEC 6003</b>			
<b>Absorbed power at 100%</b>		KVA	12.2
<b>Max current at 100%</b>		A	365
<b>Ø admitted wires</b>		mm	0.8 ÷ 1.6
<b>Speed range</b>		rpm	0.7 ÷ 22
<b>GENERAL FEATURES OF THE PORTAL</b>			
<b>Size (without welding machine)</b>	Size (lxdxh)	mm	2950x1465x3000
	Weight	kg	1700
<b>Installed power</b>		kVa	3
<b>Tension</b>		400V 50/60 Hz (3F+N+T)	

### Indicative data sheet of dies positioning

Steel dies – Specific weight 7.81 kg/dm<sup>3</sup>

Die size L x Dx h mm	Weight kg	Max number of dies	Total weight kg
100 x 100 x 50	3,9	20	78
200 x 200 x 50	15,6	10	156
300 x 300 x 50	35,2	6	211
400 x 400 x 50	62,5	5	312
500 x 500 x 50	97,6	4	390
600 x 600 x 50	140,6	3	422
700 x 700 x 50	192,3	2	385
800 x 800 x 50	250	2	500

Commersald Impianti srl has the right to modify, while completing the operative planning, the technical details of the offer. In case the changes, done to improve the installation as much as possible, are quite important, Commersald Impianti srl will inform the buyer in due time for approval.