

PPC 250 R3,5,6

Cladding machine (PTA method)

**KEEP
SURFACE
KEEN**



PPC 250 R (3,5,6) is suitable for hardfacing of rotary and non rotary parts, on the circumference, on the face (R5 and R6, -R3 only rotating part-) and it is also possible to hardface internal diameters from minimum inner diameter of 50mm.

It is variable where possible (according to customers order) this machine is fitted with 3 control axes (R3), 5 control axes (R5) and 6 control axes (R6) and according to how many axes the machine is automatically set for what application it is suitable for.

In the maximum setup (6 axes) it is top of the range according to present trends.

Suitable for applications with maximum load of 30kg.

This machine is

smaller than previous machines offered by KSK.

It is a more compact device.

The hardfacing process is realized in a close (secure) working area and it is possible to control this process directly through the window, equipped with welding glass.

It is also possible to have the machine fitted with an extractor (for waste gasses).

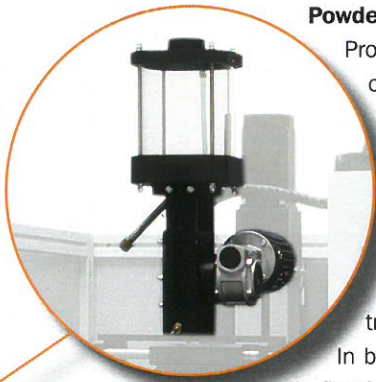


Control system

with 15" XGA touch screen mounted in an airconditionated box fitted with B&R system and our own SW developed by KSK.

Programming of the machine is provided in easy dialog or by method teach-in in cooperation with remote control.

With all our machines it is possible to control and carry out diagnostics via internet.



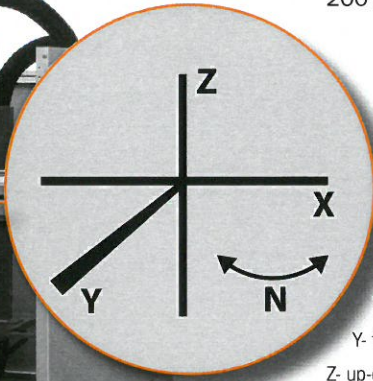
Powder feeder

Providing steady regulated delivery of powder to the torch.

From the feeder the powder delivery is gas assisted.

It is also possible to have the feeders calibrated directly from a special program and calibrate feeder in whole spectrum of feeding.

In base configuration the machine is fitted with only one feeder but it is possible to have an additional feeder fitted. Load of feeder - 10 kg of powder. Recommended granularity of the powder - 50-200 μ m.



Feed range of torch

(realised by digital servo motors)

	R3	R5	R6
X- right-left	490 mm	490 mm	490 mm
Y- forward-backward	NA	260 mm	260 mm
Z- up-down	260 mm	260 mm	260 mm
N- tilting of the torch	NA	NA	40°

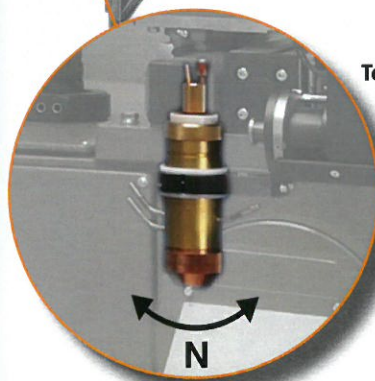
Oscillation

- R3 - width of up to 200 mm during rotation of the positioner
- R5 and R6 - oscillation, it is possible to use within width of up to 200 mm in X as well as in Y and also between two spots in space. By synchronising movement of all participating axes



Positioner (realised by digital servo motors)

	R3	R5, R6
R- tilting	Manualy	Yes
C- rotation	Yes	Yes
Diameter of the face plate - 300 mm		
Load weight of positioner up to 30 kg.		



Torch

According to the shape of hardfacing parts and type of powder.

We produce 7 types of torch developed by KSK. Torch and anode are cooled at optimal temperature.

Dimensions (W x L x H): 1.770 x 1.700 x 2.185 mm

Weight: 1100 kg

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