

Welding Robot

Carl Cloos Romat 350/LVEb 10



Sorry the machine has been sold already!

stock-no.:	1300435
type of machine:	Welding Robot
make:	Carl Cloos
type:	Romat 350/LVEb 10
year of manufacture:	2001/2009
type of control:	conventional
country of origin:	Germany
storage location:	Leipzig 5
delivery time:	on request
freight basis:	EXW, free on truck
price:	on request



technical details

current capacity:	- kVA
number of controlled axis:	1-6
workpiece weight:	2 - 3 t
control:	Rotrol II-V05
Number of working hours:	30 861 (laut Anzeige) h
total power requirement:	32,0 kW
weight of the machine ca.:	8,0 t
space requirements of the machine approx.:	L:16,0xB:6,0xH:4,0 m

additional information

Welding robot system consists of:

1. Robot arm Rotomat 350 (control Rotrol II)
2. Linear processing unit
3. Welding current source Carl Cloos
4. Rotary tilt positioner with counter bearing
5. Workpiece positioner with counter bearing
6. Mechanical Burner Equipment Type: CMR-5L
7. Compressed air booster type CHDPR 15/4

Additional information:

1. Industrial Robot Carl Cloos:
 - make 102190043, type Romat 350, YOM 2009
 - welding gun position 45 degrees: working range 1700 mm radius
 - welding gun position 90 degrees: operating range 2200 mm radius
 - number and function of the axis:
 - 3 degrees of freedom for positioning - axis 1-3
 - 3 degree of freedom for angular orientation - axis 4-6
 - 1 linear axis - external axis 7 (linear travel unit)
 - axis are designed in a rotary manner - principle of the articulated joints

External axis:

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- up to max. 18 freely programmable axis
- travel speeds axis 151 ° / s to 410 ° / s (axis 1 -6)
- dimension robot L:2100 x W:1100 x H:2800mm, control unit: L:900 x W:700 x H:2000mm, weight total : approx. 600kg

2. Linear motion unit Cloos

- type / factory. No LVEb - 10 000N
- dimensions / LxWx H 14220x1100x200mm
- travel robot: 12600mm

3. Welding current source Cloos:

- welding method MIG/MAG; Typ GLC 353MC3R; YOM: 2006
- welding method MIG / MAG - pulse arc

4. Tilt and turn positioner Cloos

- type / Manufacture WPK-DP / KP - 10,000 N
- load capacity: 15kN
- dimensions LxWxH: 5900x1505x1600mm
- face plate diameter: 1060mm
- clamping length Workpiece: 2900mm with end position 3500mm
- swing diameter of the workpiece 1500mm
- swivel range approx. 120 °
- tipping moment -max. 4200 N at a center distance of 1.0 m in front of the face plate
- without application counter holder: 15000 N at center of gravity 0.3m before face plate
- load radial 1600NM - insert without counter holder
- counter holder dia = 800mm, adjustable on machine bed
- load capacity with counter holder approx. 2 - 3t
- weight with counter holder 4700kg

5. Workpiece positioner Cloos

- Type, factory WPV-DSP-10000N-AC
- face plate diameter 800mm, clamping intake length of work piece 2940mm with end position 3150mm, swing diameter of work piece 1500mm
- loadable 10kN
- tipping moment -max. 4000 N at a center distance of 1.0 m in front of the face plate
- tipping moment without application counter bearing: 10000 N at center of gravity 0.4m before face plate
- capacity radial 1600 NM - with application without counter holder Ø 800mm (adjustable on machine bed) , load capacity approx. 2 - 3t

The plant has been maintained in regular maintenance intervals through manufacturer Company Carl Cloos. Last service 12/2015 (operational hours=28400h) , the robot has been changed 2009.

The manufacturing with this plant was until July 2016. Operation counter on control of the machine 30861 h without guarantee.