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 2001/2009

manufacture:

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 $^{\circ}$ / s to 410 $^{\circ}$ / 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 lentgh 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 trough 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.

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