

CARL CLOOS SCHWEISSTECHNIK GMBH · Industriestr.34-36 · D-35708 Halger

Company  
 Rool Maskinfabrik  
 Petersmindevej 12 - 14  
 DK-6000 KOLDING

## Order confirmation

Number/Date  
 302335 /09.05.2008  
 Your order No./Date  
 per Mail /24.04.2008  
 Order No./Date  
 3005677 /24.04.2008  
 Delivery date  
 Week 32.2008  
 Customer No.  
 1105143  
 Contact / Telephone  
 CHRISTIAN LANDAU /02773/85 486  
 Fax: 02773/85-339  
 Mail: Christian.Landau@cloos.de

Terms of delivery: Franco domicile  
 Delivery method Carrier

Currency EUR

Item	Part No. Description	Quantity	CTNO/CRNO
010000	0871210000 CLOOS Robot Welding System	1 ST	85153100/DE
020000	0871210100 Robot Technology	1 ST	
030000	0884100000 Romat 410 upright with RII	1 ST	
040000	0864005200 Robot base plate compl. f. R320/350/410	1 ST	
050000	0864004400 Accessories for R320/350/410 overhead single wire	2 ST	
060000	0871210110 touch sensor touch sensor ( 60 V )	1 ST	
060001	0850704200 Arc sensor	1 ST	

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Item	Part No. Description	Quantity	CTNO/CRNO
	Txt: 010302		
060002	0033172300 Connection cable arc sensor	1 ST	
060003	SOF0000080 Point editor in Robotersteuerung Txt: 010207	1 ST	
070000	0850298010 Torch changing system GWS-80/3 - R320.. + gripper	1 ST	
080000	0850298050 Brennerwechsel GWS 80/3 w. Abl +Greifer	1 ST	
090000	0871210200 <b>Welding Technology</b>	1 ST	
100000	0818104000 GLC 553 MC3/R pulsed power source with control part CDD, NS, gas shroud sensor. Txt:030112	1 ST	
	Important: Please note in the order acknowledgement if function "gas shroud sensor" is required.		
110000	0650730450 Cable assembly 15 m for MC3, drag chain for drag chain between wire drive and power source Txt: 930214	1 ST	
	Provisional length (fixed and ordered by TBM after approved system layout)		

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Item	Part No. Description	Quantity	CTNO/CRNO
120000	0647620000 CK 98 A/R O wire drive unit for MC3 roller drive: HD, 2+2 with gas and wire end control Txt: 030313	1 ST	
130000	0038050300 Connection cable rob -->GLC between ROTROL and power source Txt: 930632	1 ST	
140000	0606515400 ROB cable assembly 3.0 m GS-24126-00	1 ST	
150000	0709100000 MRW 500-35°-78/273 robot welding torch SW 231 SR, 35° Txt: 030503	1 ST	
160000	0850645760 Torch bracket for MRW complete with collision sensor Txt: 030504	1 ST	
170000	0072011800 Connecting flange Txt: 930550	1 ST	
180000	0070550000 Setting jig for MRW Txt: 030500	1 ST	
190000	0047190000 Support for 300 mm wire coil with plastic housing	1 ST	
200000	0850698500 Torch cleaning unit CMR7C	1 ST	

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Item	Part No. Description	Quantity	CTNO/CRNO
200001	0850641966 Reamer blade CMR6C NW 16 - MRW 500	1 ST	
210000	0038134000 Connection cable (sensor + CMR6) is required if sensor and CMR6 are included in a commission. Therefore the sensor connection cable 038018800 and CMR6 connection cable are no longer required.	1 ST	
220000	0850234000 Pressure intensifier CHDPR 15/4 pressure intensifier Txt: 010116	1 ST	
220001	0850697020 Bracket for CMR-6 overhead Txt: 930533	1 ST	
230000	0871210210 plasma cutting system Plasma cutting system Kjelberg HiFocus 80 i for automatic cutting	1 ST	
240000	0871210210 Integration Plasmaschneidanlage Integration Plasmaschneidanlage	1 ST	
250000	0871210300 <b>Robot Peripheral Equipment</b>	1 ST	
260000	0852502591 Rotary C-frame type CSTR CR 30 kN	1 ST	
270000	0871210400 <b>Workpiece Positioner</b>	1 ST	

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Item	Part No. Description	Quantity	CTNO/CRNO
280000	0871210401 WPG - G - 20000N WPG-G-20000N workpiece positioner with counter bearing and freely programmable turning axis floor mounted (without indexing) with faceplate counter bearing (tailstock)      fixed technical data: drive power: 3,1 kW faceplate load:      2*10000 N torque: 1600 Nm adm. tilting moment - drive side:      5000 Nm adm. tilting moment - tailstock side: 2000 Nm mass moment of inertia: 1200 kgm <sup>2</sup> faceplate diameter: 600 mm free turning radius: 1000mm max. turning speed:      75°/sec turning range:      < 720 °  clamping length 3000 mm	2 ST	
290000	0871210600 <b>Interface Control - Safety Equipment</b>	1 ST	
300000	0852000000 Integrated interface control for compact cells Txt: 980001	1 ST	
310000	0852000003 Each other voltage supply for robot, power source, fume extraction etc. Txt: 980004	1 ST	
320000	0852000005 Light barrier RRT44 distance: < 8m	2 ST	

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Item	Part No. Description	Quantity	CTNO/CRNO
	3 beams with post Cannot be used with deflector mirror! Txt: 980103		
330000	0852000007 Start preselection 1 station Txt: 080003	2 ST	
340000	0850648610 Workplace protection 1A/1L; R320/350/410	1 ST	
350000	0850648710 Workplace protection 2A /1L;R320/350/410	1 ST	
360000	0850648810 Workplace protection 3A/1L;R320/350/410	1 ST	
370000	<b>DL87123000</b> <b>Services</b>	1 ST	<b>85159000/DE</b>
380000	DLP0000020 Pre-acceptance Functional test without programming	1 ST	
390000	DLP0000030 Transportation and packing	1 ST	
400000	DLP0000040 Assembly	1 ST	
410000	DLP0000050 Commissioning without programming	1 ST	
420000	DLP0000090 Miscellaneous 5 Days Programming support at side ROOL	1 ST	
430000	SCH0000040 Basic programming course part 1 duration: per participant 5 days	1 ST	

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Item	Part No. Description	Quantity	CTNO/CRNO
	incl. technical documentation Txt: 090003		
<b>Total amount</b>			<b>202.530,00</b>

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