

17003P

RW 8206514

Shipping address

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Magna PT S.p.A.
Via dei Ciclamini 4
I-70026 MODUGNO BA

Packing list / Delivery note

No. 8206514 Date Noch kein WA
Ref. I. Yüce Tel. +41 44 832 2359
Com. 78981

Your order no. 4500520576 Date 09. July 2018

Conditions of delivery

Your supplier no. 91000635

DDP Modungo
LKW

Marks	Packing See last page	Size (cm) See last page	Weight net (kg) 12,762.00	Weight gross (kg) 13,041.00
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Pos.	Item No.	Quant.	Description	installed	not installed
95	906161.04	1	<p>Reishauer RZ 160 gear grinding machine</p> <p>COUNTRY OF ORIGIN: SWITZERLAND</p> <p>EORI NUMBER CUSTOMER: IT04886850728 VAT NUMBER CUSTOMER: IT04886850728</p> <p>EORI NUMBER REISHAUER AG: 5223555 MWST.NUMBER REISHUAER AG: DE185213549</p> <p>Compact high-performance gear grinding machine, specially designed for grinding gears, with two identical workpiece spindles on a rotating turret, used alternatively for grinding and loading. The loading and unloading of the workpiece on the first workpiece spindle, clamping, determination of the gear teeth position and the subsequent alignment for the correct meshing with the grinding wheel take place outside the machine's working area while grinding with the second workpiece spindle.</p> <p>BASIC MACHINE SPECIFICATION: -Machine base for mounting the workspindle turret, grinding slide, pneumatics and hydraulic unit</p>		

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Pos.	Item No.	Quant.	Description	installed	not installed
			<ul style="list-style-type: none"> -Directly driven grinding spindle (B-axis) with short taper flange, infinitely adjustable spindle speed, spindle temperature-stabilised by means of multiple cooling oil circuits -Balancing unit for automatic balancing of grinding worm -Acoustic emission sensors for automatic positioning of the dressing tool in relation to the grinding worm and alignment of workpiece gear teeth -CNC shift axis (Y-axis) -CNC swivel axis (A-axis) -CNC infeed axis (X-axis) -Rotatable workpiece spindle support (C3-axis) -Two workspindles (C1 and C2 axes) -CNC axial feed axis (Z-axis) -Meshing device for automatic determination of gear teeth position, and subsequent alignment of pre-ground workpieces for optimum alignment in grinding worm -NC-controlled unit for automatic adjustment of grinding oil nozzle with decreasing grinding worm diameter (P-axis) -Machine housing with operating and service doors, separation of working area from loading area -Hydraulic unit integrated in machine base with switchgear and monitoring equipment mounted on rear of machine for all hydraulic functions -Pneumatic system with all necessary switchgear and monitoring equipment, located on rear of machine -Swivel-mounted control and data input panel with LCD flat screen -External data backup via USB storage medium, Ethernet or direct PC connection -Electrical control cabinet with air-conditioning, to IEC-204-1 recommendation -Siemens 840Ds1 CNC control system -Reishauer MMI for interactive input and management of workpiece and grinding process data and for machine operation -Reishauer Precision Drive to control position of workpiece spindles C1/C2 -Siemens PLC S7 to handle machine's entire switching logic -Ethernet interface for remote maintenance (prerequisite: internet connection on customer's premises) -Warm-up cycle to stabilise machine temperature. 		
2800	213718.00	1	Tailstock cover C1		
2900	213719.00	1	Tailstock cover C2		
3500	213585.01	1	Grinding worm dressing device RP 121F with variable spindle speed Serial no. 149		

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4000	908204.03	1	Noise level: Operation: max. 75 dBA Standby: max. 72 dBA		
4100	908570.05	1	Language machine labels: Italian/english operator language: Italian/english		
4200	908531.00	1	Complete machine in REISHAUER color concept; - machine base ultramarine blue RAL 5002 - machine hood, building groups, interior, screen auxiliary apparatuses: pure white RAL 9010		
4310	214449.86	1	Machine/special layout RZ 160 incl. cable duct and cables		
5100	905559.01	1	- Power supply : 3 x 400 V 50 Hz - Machine voltage : 3 x 400 V 50 Hz - Control voltage : 1 x 230 V 50 Hz - : 1 x 24 V DC		
5500	908215.02	1	Signal lamp, special version		
5800	908158.06	1	Energy counter PAC 3200		
6000	213979.00	1	Handle for electrical cabinet		
10300	908211.00	1	special regulations		
10800	905586.45	1	Remote-diagnosis via Internet and Ethernet: Requirements: The customer must provide 2-fixed IP-adresses for each machine. The machine must have connection to the Internet.		
15300	213990.40	1	Hydraulic basic equipment C1P+C2P /MPa for machine with 2 workspindles with separate clamping pressure control including manometer panel and pressure switch Prepared to install together with : - Tank capacity: 40 l - connections as per CETOP 03 - pressure accumulator with safety block - pressure gauge with bar/psi scale		
15500	155969.03	1	Hydraulic unit : Standard Bosch elektro motor IE3: Siemens hydraulic pump : Bosch Rexroth PV7-1X/10-14 return filter : Bosch Rexroth heat exchanger : Bosch Rexroth male coupling : Walther LP-019-2 female coupling : Walther LP-019-0		
15900	211747.77	1	Pneumatics SL-2, Standard		
16200	211532.17	1	Exhaust valve pneumatic MDH		
17200	211902.48	1	Central lubrication Getrag		
18100	213994.00	1	Retrofit kit additional flushing		
20100	344298.14	1	Special labels it,en		
20500	344310.00	1	Sign plate it,en 8a,4a,4a IEC		
20750	213025.09	1	Special turrets		
21000	344093.01	1	Special signs, fluid it,en Getrag		
21210	344322.19	2	Label 78981		

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Pos.	Item No.	Quant.	Description	installed	not installed
25100	908211.00	1	Dokumentation nach Getrag Spezifikation		
25200	908617.21	1	Operating instructions italian Hard copy and CD-ROM (.PDF)		
25900	908211.00	1	Dokumentation englisch auf CD-ROM		
30100	213426.00	1	Oil Mist Separator ELBARON RON/A 2500 DV high tension electrostatic supply voltage : 400V/50Hz control voltage: 230V/50Hz		
45300	210729.03	2	Meshing sensor for module 1 to 2		
50100	214090.30	2	Nozzle type 50, form A width 30mm, length 144mm		
65110	908530.03	1	Electrical interface ProfiNet, for loader system; - data exchange machine/loader (Standard)		
65200	908154.05	1	Technical support for the integration of a loading system provided by the customer for the install- ation at the customer's site (price on request)		
70100	908533.03	1	Electrical interface ProfiNet, for grinding oil filter system - data exchange machine/grinding oil filter system (Standard)		
70200	155970.66	1	Suction belt filter HSF 100 for one machine for filtration and cooling of the grinding oil with air-cooled compressor cooler unit for ambient temperatures up to 40°C - Footprint : 3.8 m x 2.3 m - Tank capacity : 2500 l - Filtration capacity: 200 l/min - Pump unit for grinding/flushing: 11 kW; 160 l/min at 27 bar - Pump unit for machine cooling: 1.7 kW; 40 l/min at 6 bar Cooling System: 1st Circuit for grinding oil cooling: - Cooling capacity: 20 kW 2nd Circuit for spindle cooling: - Cooling capacity: 3 kW - Spindle oil tank capacity: 60 l - Pump capacity: 15 l/min at 9 bar Delivery incl. return pump This suction belt filter cannot be used for grinding of cast iron as well as sintered or carbide-based materials.		
70300	156036.07	1	Return-flow pump, standard version - make: Brinkmann 2.6 kW / IE3 / 50 Hz - ambient temperature: <40°C - operating point: 250 l/min at 1.2 bar - intake/pressure ports Ø75		

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Pos.	Item No.	Quant.	Description	installed	not installed
			- additional noise protection, incl. oil drip pan		
70400	155970.93	1	Sludge carriage		
70500	155794.05	1	Collecting pan 2500 lt /HSF 100		
70600	507215.10	60	Liter spindle oil Velocite 6		
70900	908188.32	1	Energiezähler PAC3200		
71000	908188.35	1	Schlauchfangsicherung		
71100	908211.00	1	Mittleres Abwurfblech für Schlammwagen		
71200	908211.00	1	Sintogrind 353 für Vorabnahme verwenden		
75100	421184.00	2	REISHAUER clamping device.FH38 quick change chuck centering diameter: ø38 mm support height: 52 mm support diameter: ø112 mm mounted directly on C-Axis with integrated actuating piston with clamping stroke control with lead through for oil (lockable) with lead through for control air		
			Serial no. 214 215		
75200	421184.25	2	Installation and operating instructions IT		
77100	535924.31	2	Mechanical mandrel your material identification: VSP-250184		
77200	534748.88	2	Support ring your material identification: VAE-251397		
77300	536493.35	2	Clamping bush ø41.82 your material identification: VHS-253662		
77400	536217.37	1	Control ring ø42		
77500	398195.58	1	set of diamond rolls, 1-start; module 1.85; PA 17.5°; with HBR 1000/800 mm KR 0°28'00" x 1.47 mm for 251.1.0455.50 PSA-329546 Serial no. 10 your material identification: PSA-329546		
77600	416513.52	1	grinding worm 275x160x160 mm A80G8V0167, m 1.85, PA 17.5°,3-starts engrave: SLA-328373 your material identification: SLA-328373 IST NEU 41652013		
77700	416513.52	1	grinding worm 275x160x160 mm		

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			A80G8V0167, m 1.85, PA 17.5°, 3-starts		
			engrave: SLA-328373 your material identification: SLA-328373 IST NEU 41652013		
77800	211619.00	1	Flange for mounting grinding tools with a bore diameter of 160 mm and a face width up to 160 mm For grinding wheel dimensions up to 300x160x160 mm your material identification: SLW-251098		
80100	908211.00	1	special regulations		
80200	906161.41	1	Free-of-charge oil drip pan drawing for machine		
80300	906161.46	1	Vibration Monitoring IMI		
85100	211599.00	1	Pre-acceptance of machine at Reishauer Wallisellen (with 2 types of workpieces, 100 each) (cost of travelling, board and lodging not included)		
85200	901474.03	1	Commissioning (by Reishauer representative) of complete machine and instruction of operators, including travel costs, hotel and meals		
85300	908211.00	5	special regulations		
85400	908230.01	1	Preparation of machine for shipment by truck		
85500	908230.02	1	Preparation of coolant filtration unit for one machine for shipment by truck		
85600	116021.00	1	Freight + insurance		
			Payment terms: 60% after proper installation and readiness for operation 35% after proper final acceptance 5% after proper final acceptance against warranty bond Due dates according to the frame contract		

REISHAUER AG

REISHAUER

RZ 160 78981

Zolltarif Nr.:

8461.4010

MASSE UND GEWICHTE

Kunde: Magna PT S.p.A.
Via dei Ciclamini, 4
70026 Mdugno / BA
Italien

Verpackung:	Ware:	netto:	brutto:	Masse cm:		
		Kg	Kg	Länge x	Breite x	Höhe
Offen	1 / 9 Maschine RZ 160	9000	9000	320 x	225 x	275
Offen	2 / 9 Filter HSF 100	2200	2200	310 x	240 x	220
Offen	3 / 9 Oelwanne	700	700	310 x	240 x	240
Palett	4 / 9 Abdeckung	70	92	200 x	95 x	125
Palett	5 / 9 Schalmmwagen	125	148	130 x	90 x	95
Palett	6 / 9 Elbaron	101	122	120 x	80 x	120
Palett	7 / 9 Abdeckung	58	71	160 x	130 x	45
Palett	8 / 9 Zubehör	98	117	120 x	80 x	60
Kiste	9 / 9 Layout	410	591	277 x	125 x	84
Total :		12762	13041			

Ware nicht stapelbar !

Lkw mit Planenverdeck, Holzboden. Spannsets

abnehmbares Planenverdeck für Beladung mittels Hallenkran !

