

Data sheet No. 20385158 / 17.10.2024

CHIRON Group SE

Item	Qty	Description
1000	1	Vertical CNC-machining center MC 531/S
1040	1	Year of construction: 1998 Condition: Partly refurbished Scope of delivery:
1060	1	Travel: X-Axis 800 mm Y-Axis 400 mm Z-Axis 350 mm
1080	1	Spindle Unit Water cooled spindle motor Tool register ISO 40 Spindle speed: Standard 12000 rpm S1 14 KW at 100 % ED S6 21 KW at 20 % ED Clamping surface 1.300 x 430 mm Additional table load 1200 kg 3 T-slots 14 H12 for mounting on fixture, etc..
1100	1	Tool places 42, SK 40, DIN 69871 + 72
1120	1	Safety equipment
1140	1	Working area lamp
1160	1	Electric cabinet cooler
1180	1	Automatic oil central lubrication
1200	1	Installation elements
1220	1	SIEMENS CNC-control 840D (MMC 102 / NCU 572.2, 10 measuring cycles) with integrated hard disc (min. 200 MB for free disposal) incl. 10,4" TFT colour screen full keyboard / control panel OP010S NC-memory Hard disc for eradication of parts programming after DIN 66025 drilling cycles G81-G89 M- and T- functions circular interpolation (360 degrees) re-start into program Subroutines, parameter programming simultaneous programming

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contour programming
 support through cycles
 polar coordinates
 tool offsets for geometry, wear
 tool radius correction for
 intersection computing
 crossing radius
 4 zero offsets G54-G57
 30 zero shifts programmable with G-functions
 3D and helical interpolation
 screen switch off
 mirror function
 scaling function
 insert of chamfer and radius
 Universal interface RS 232C (1 x V24) at control panel
 orientated spindle stop
 drip feed function through V24 interface
 dimension metric or inch
 software limit switch
 NC-diagnosis
 machine-diagnosis
 absolute indirect path measurement systems
 power meter in screen
 look ahead function

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| 1240 | 1 | Siemens input device OP 08 T on Tool – loading place |
| 1260 | 1 | STAMA Powersafe
Software package for selective shutdown of installed consumers like axis motors, drives, spindles, seal air, airsensing and ancillary equipment in production breaks or during programmable points in time using a shift calendar.
Definable point in time at which the machine starts demand-oriented automatically with a variable warmup program to recovery the production readiness. |
| 1280 | 1 | Preparation for interior coolant feed after DIN 69871 30 bar |
| 1300 | 1 | Chip conveyor
Scraping belt
Discharge height 1200 mm |
| 1320 | 1 | Installation for coolant purification with paper ribbon filter PF100
Tank capacity 500 ltr.
ND-pump 100 ltr/min. at 2,1 bar
HD-pump 20 ltr/min. at 30 bar
Partial current cleaning of the HD-circles via paper ribbon filter PF100 |
| 1340 | 1 | Wash gun |
| 1360 | 1 | Full enclosure of the working area |

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| 1380 | 1 | Preparation exhausting connection
for connection on customer side exhausting fan
diameter 150 mm / 200 mm |
| 1400 | 1 | Preparation 4. axis ready to plug in |
| 1420 | 1 | Documentation acc. to CE of the first delivery into market
1 x safety regulations in a folder in English
1 x complete documentation on a USB as PDF
Language of the operating manuals and safety in English |