



CNC machining centre profit H200 13.33

Qty	Item number	Description
1 ST	302-00100	Profit H200 13.33 electrical connection: 3x400V 50Hz / 60Hz
1 ST	302-200 04	15 kW (S6) main spindle HSK F63 24,000 rpm, ceramic bearings with pneumatic height adjustment of the extraction hood to 2 positions: Power requirement: 15 kW (S6) Full power capacity at approx. 12,000rpm Rotating speed: 1000 - 24000 rpm Drive: 3-phase HF motor, inverter controlled rotation: left/right, 2 controlled compressed air connections, interface for aggregates , Tool weight (rotating): 7.5kg Spindle cooling: air cooled Extraction hood with 2 positions

Qty	Item number	Description
1 ST	302-01001	Profit H200 13.33: CNC machining centre with gantry design (without tools) with digital drive (driven on one side). The machine chassis of the profit H200 13.33 is made from thick walled electrically welded shaped tubes. The steel ribbing inside the chassis ensures a high level of stability.
1 ST	302-01007	Working field H200 13.33: Travel distance of the axis: X= 4000 mm Y= 1670 mm Z= 500 mm Working area: X= 3300 mm Y= 1280 mm Z= 250 mm passage height (from the level of the consoles), depending on the clamping system, see layout Axes positioning speeds: As determined by the selected safety systems (these can be found in the layout).
1 ST	302-05001	Single side driven gantry
1 ST	302-02001	X-axis guiding system: The drive of the gantry along the X axis is carried out using a rail with angled, cambered teeth. This guarantees maximum

precision.
 The reduction gearing ensures maximum processing quality and repeatability.
 Positioning is carried out by recirculating ball bearings running along hardened and polished linear guides.

1 ST 302-03001

Y-axis guiding system:
 Positioning is carried out by recirculating ball bearings running along hardened and polished linear guides.
 The Y axis is positioned by a polished recirculating ball spindle .

1 ST 302-04001

Guiding system Z-axis:
 Positioning is carried out by recirculating ball bearings running along hardened and polished linear guides.
 The Z axis is positioned by a polished recirculating ball spindle.

Qty
 1 ST **Item number**
 302 -02002

Description
 Automatic central lubrication system:

The lubrication is applied as and when required to the guide carriages of the X, Y and Z axis as well as the bearing spindles in Y and Z. Lubrication is carried out automatically after a preset time.

1 ST 302-19001

DH16 4H 2S drilling head:
 12 vertical spindles
 7 spindles in X direction and 5 spindles in Y direction. 4 horizontal spindles :
 2 spindles in X direction and 2 spindles in Y direction. Prelift = 70 mm, max. drill length = 70 mm and shaft D = 10 mm.
 All spindles can be used independently of the others.
 2 grooving saws - one each in X and Y direction, max. saw blade diameter 120 mm, max. blade thickness 5 mm, max. speed variable up to 7500 rpm. The drilling head covers the whole working field, with both the horizontal and vertical drills.

1 ST 302-20001

Centrally controlled extraction connection:
 The program control controls the extraction to either the drilling head or main spindle.
 The controlled gate ensures an optimum extraction performance.

1 ST 302-00211

Connection diameter see layout
 Positioning display of consoles and vacuum pods:
 The workpiece, the consoles and the vacuum pods are all shown in the CNC Board simultaneously. This guarantees that the workpiece is positioned securely and that there can be no collision between the tooling and vacuum pods.
 The exact position of the vacuum pods on the console is displayed using a laser.

1 ST 302-090 26

Vacuum connection for template milling on the left hand side of the machine

1 ST 302-26004 Vacuum system 90m³/h:
 1 vacuum pump with a total vacuum capacity
 of 90 m³/h / 50 Hz, 108 m³/h / 60 Hz

Qty	Item number	Description
1 ST	302- 00600	Performance specifications of the machine software Woodflash: The machine software package Woodflash includes the complete control management of the CNC machine for 2 workstations - 1 on the machine and 1 external workstation. The software consists of: -CNC board -Tooling database: - Program editor
1 ST	302-00601	CNC board: The overall operation of the machine is done via the CNC board. This is where it is possible to load existing programs and run them. As an example it is also possible to select various working fields, save customer specific processing lists or use a zoom function. The control of diverse machine sensors (compressed air, safety devices, display of the feed speed, etc.) is also carried out using the CNC Board as well as the selection of preprogrammed machine commands (unloading tools or warming up of the axes, etc.) .
1 ST	302 -0060 2	Tooling database: In the tooling database (Tecno-manager) all of the tools that have been defined for processing on the machine can be edited. The primary classification is split into the 3 categories drilling, milling and sawing. They are then subdivided into the respective processing face (vertical and horizontal) . Parameters such as tool length, diameter, max. drilling depth, rotation speed can be set here. The tool contours can also be defined with the help of DXF files using this database.

Qty	Item number	Description
1 ST	302-00603	Programming editor: The program editor is used to create custom CNC programs. Using the help of the available variable macros it is possible to create parametric processes. The simple and clear layout enables quick drilling, milling and sawing processes. There are five individual sides available for programming. To check a program it is also possible to change to a 3D view,
1 ST	302-00604	Additional functions:

- CAD-commands (rotate, mirror, repeat, etc.)
- Font milling (TrueType Font, bold or italics)
- Clearing of any contours (pocket milling)
- Scaling of contours
- Set logical conditions
- Save variables (max. 300)
- Milling interpolation
- Virtual surfaces in every position
- Sub-programs (self-created programs)
- Sort sequences (optimisation of processing time)
- Absolute or relative programming

1 ST **302-00206**

Teleservice package via the internet:

Hardware and software for connection via the internet. The customer must have the internet connection ready and available.

The integration of the machine into the company network has to be organised between the network provider and the customer.

1 ST **302-00203**

Hand-held terminal for the control of the axis speed including emergency stop switch

A potentiometer makes it possible to have variable control of the feed speed whilst processing.

As a result, this helps to make the processing of complex programs much easier.

1 ST **302-33001**

Safety devices conforming to CE regulations:

- Safety system with light barrier at the front of the machine (standard equipment)
- Emergency off switch
- Safety fence on left side of the machine
- Secured door
- Control sensors for the vacuum and air

Qty Item number

Description

1 ST **302-33002**

Safety fence on left side of the machine

1 ST 302-10001

Operating tools

1 ST **302-10002**

Machine plate H200 13.33

1 ST **302-00201**

Closed cable cover in X and Y direction: The closed cable cover ensures that all of the cables, wiring and pipes are protected from damage.

1 ST **302-01016**

Additional seal on all guides:
The linear guides in the X,Y and Z direction are sealed. Additional preventative seals are also mounted to the bearing carriage as well as the capsulated bearings in Y and Z. This option makes it possible to process non-wood based products.

1 ST **302-00200**

Uninterruptible power supply (UPS):
The UPS guarantees power to the machine computer even in the event of a power cut. Programs can be saved and the machine computer shut down as normal, without

		loss of data.
1 ST	302-00212	"Green Line Package" for reduced energy consumption of the H200: Activating this option initiates the following process at the end of the program: - Vacuum pump(s) will switch off - After a preset time the PC and monitor go into standby mode - Control of the dust extraction sliding gate, switching off the extraction using potential free contact - Turning off of sealing air (Main spindle) - Turning off of the main spindle and electrical switch box ventilators
1 ST	302- 09005	6 reinforced loading supports instead of the 4 standard supports: Load capacity of each support of 40kg Position as per the machine layout.
1 ST	302-00102	Voltage supply 3x230V/3x208V/3x480V CSA 50/60Hz instead of 3x400V
1 ST	302-26003	Preparation for 180 m ³ /h vacuum system: The machine is prepared for a

vacuum pump with 90m³/h.

Description

0-360° C-axis for the main spindle:
Fourth axis on the main spindle. Precision gear drive 0-360°
The C-axis enables the use of aggregates .
Preparation for the chip removal system: Electrical preparation
18 pos. rotary tool changer, travels in X: Through the rotation of the tool changer
The tool changer is mounted to the gantry. (See layout for configuration options)
280 mm
Optical status indicator of the machine: The different colours indicate the status
Blue LED strip lights:
Integrated into front panel of the chassis.
Automatic tool length measurement system and 10 position linear tool changer c
of the machine chassis, incl. one pickup for aggregates:
The 10 position tool changer ensures quick changeover times and more than ad
measurement system.
Automatic information transferring of the length of the tool to the database.
One aggregate position
(See layout for configuration options) Max. tooling diameter 250 mm
Max. tooling length 240 mm
6 instead of 4 consoles:
With front and rear rows of fences.
Hose-free vacuum dual circuit system with vacuum pod height 100mm. Pneuma
polished round bars. A front and rear
program controlled, pneumatic cylinder, on each of the consoles. 4 moveable sic
make it easier to load or unload large/heavy workpieces. Load capacity of each c
machine layout.

.,voice n° - 3sR0101/02

Qty	Item number	Description
1 ST	302-33010	Safety system with safety mats incl. pendulum operation instead of light Pendulum operation with two foot pedals and a second vacuum connection for template milling on the right hand side of the machine
1 ST	302-90002	Operating manual English
1 ST	302-90202	WoodFlash software installation instructions English
1 ST	302-01110	Packaging of the machine on timber beams with corrosion protection sheet H200 13.33
1 ST	30-2- 00402	Mobile operating terminal: Equipped with: - 24" LED colour display screen - Keyboard, mouse and mouse pad - 1 USB Port
1 ST	302 -00605	Woodflash is an intuitive machine software for the programming of individual components. For the perfect transition from software to work preparation, Woodflash offers many advantages. Variable programming is one of the many strengths of the software. Many individual functions help the user to achieve their results quickly and efficiently . Macro and Sub Program Management is fully developed and can be adapted individually to the customer. This creates an optimised work environment in making it possible to rationally get the end product.

Machine price

an additional

the machine has access to up to 18 tools or aggregates.
Maximum tool diameter 250 mm Maximum tooling length

of the machine

on the left

equate space for milling tools as well as a tool length

tic locking of the consoles that run on hardened and

de fences in Y direction. 4 loading supports
of the support is 20kg - position as per the

barriers:
