



CNC SOLUTIONS for PLASTICS

MORBIDELLI X200 CNC Router for Plastics



Solid Construction for Reliable and Efficient Production

Electro-Welded Base Structure CNC Milled at Factory

Heavy Duty CNC Bases are formed and then placed on our large 5 Axis CNC Mills at the SCM factory for Precision milling for surfaces and also mounts for guides and rails.



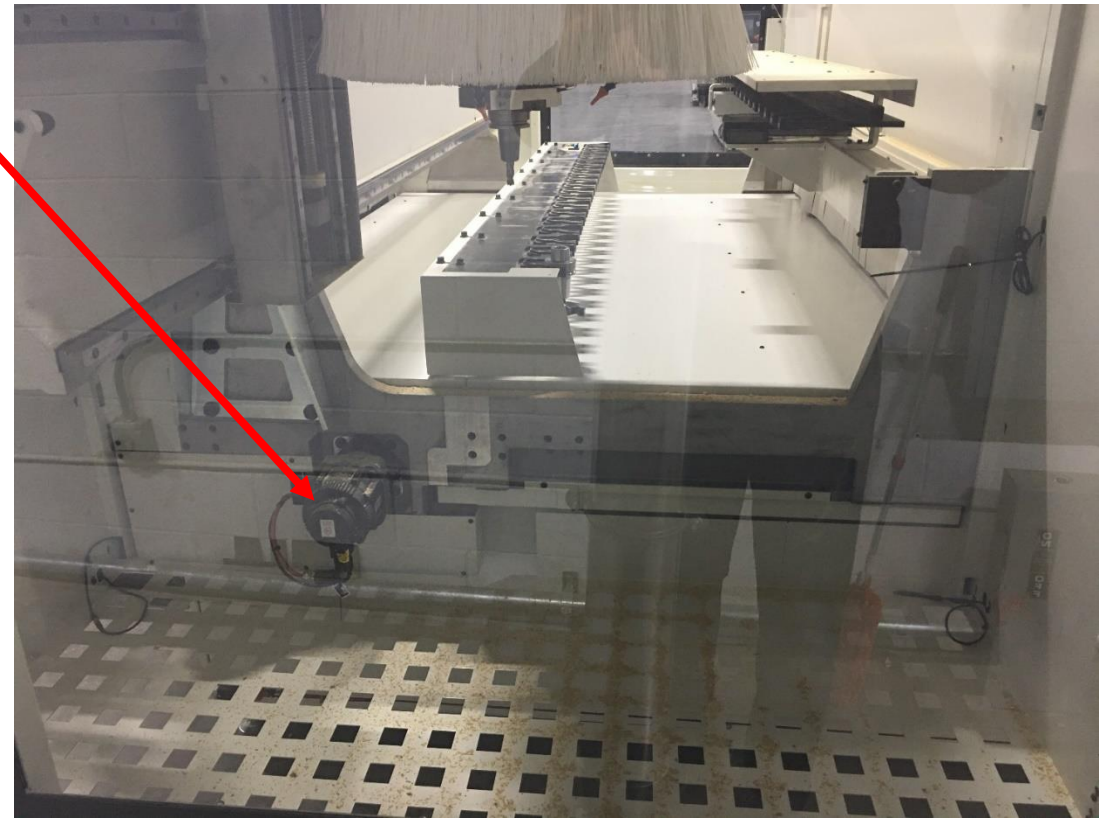
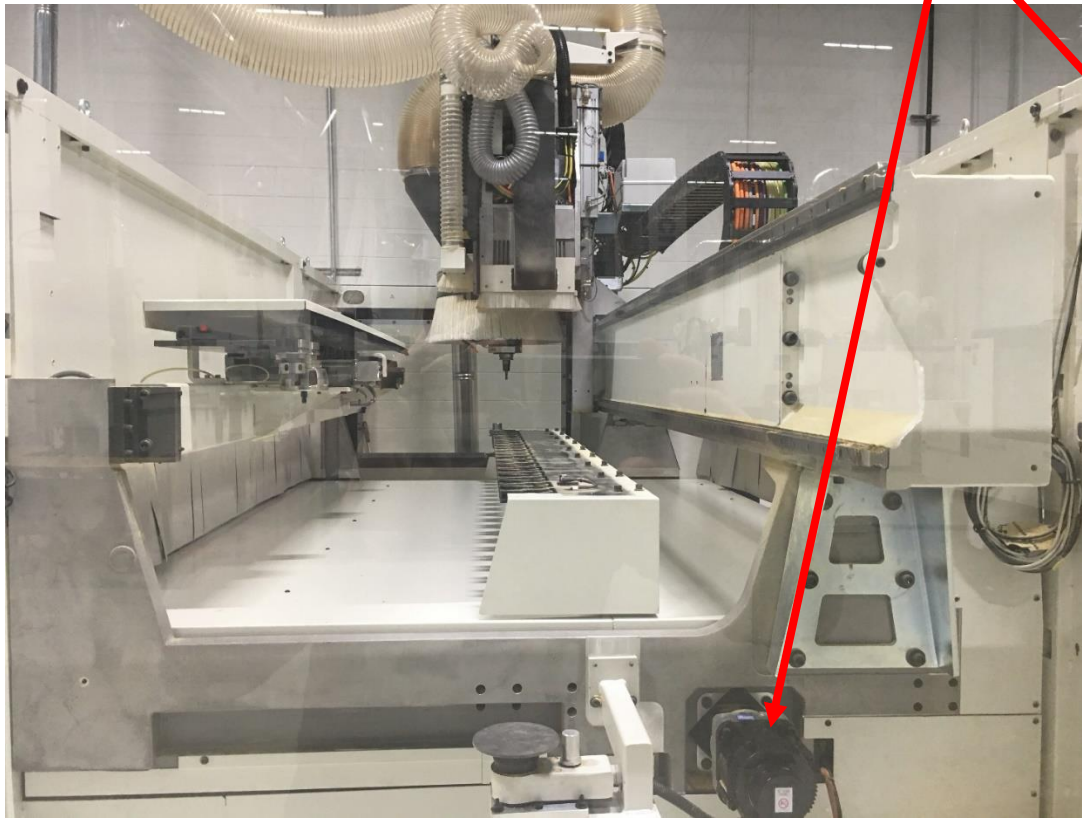
Solid Construction for Reliable and Efficient Production

Moving Gantry placed on base at SCM Factory



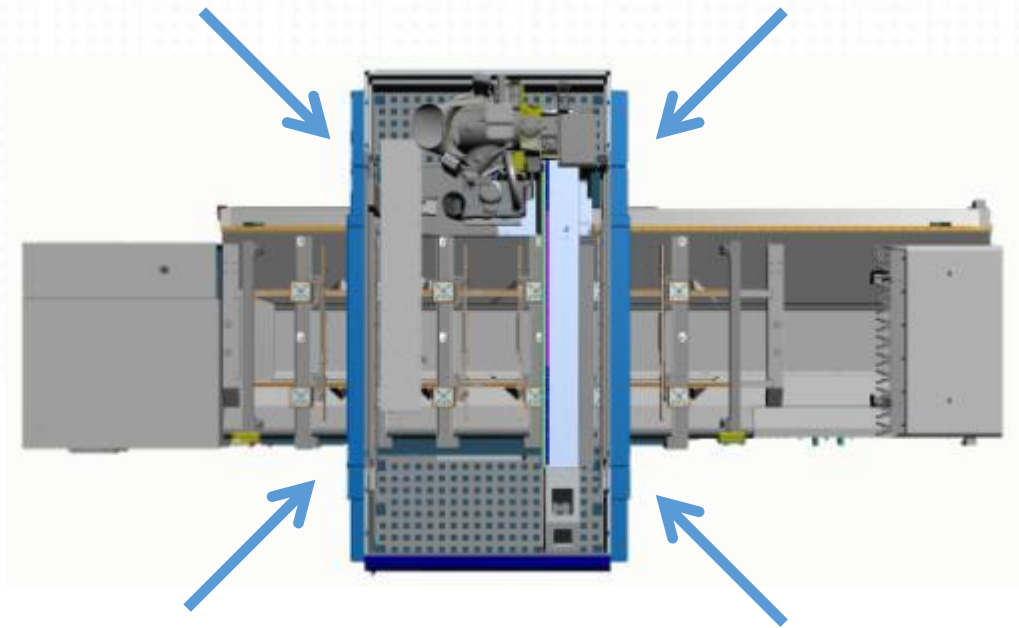
Solid Construction for Reliable and Efficient Production

Double rack and pinion with twin servo motors to guarantee fast movements and maximum precision by means of the X axis moving gantry

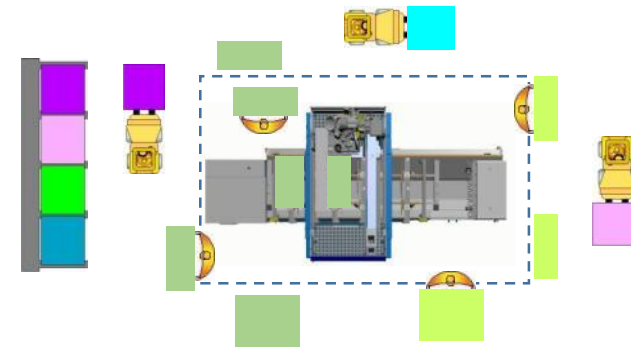
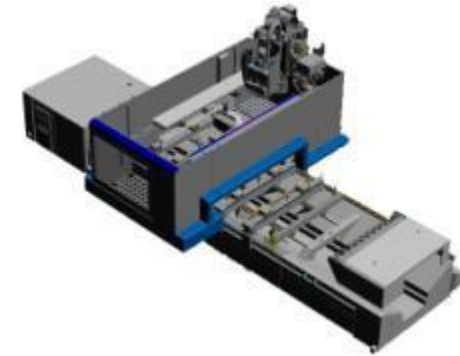


Pro-Space Design

Safety system with bumpers device without side and Rear safety fences*



Displacement speed:
- vectorial up to 84 m/min (3307 in/min)



*Pro-Speed configurations are available

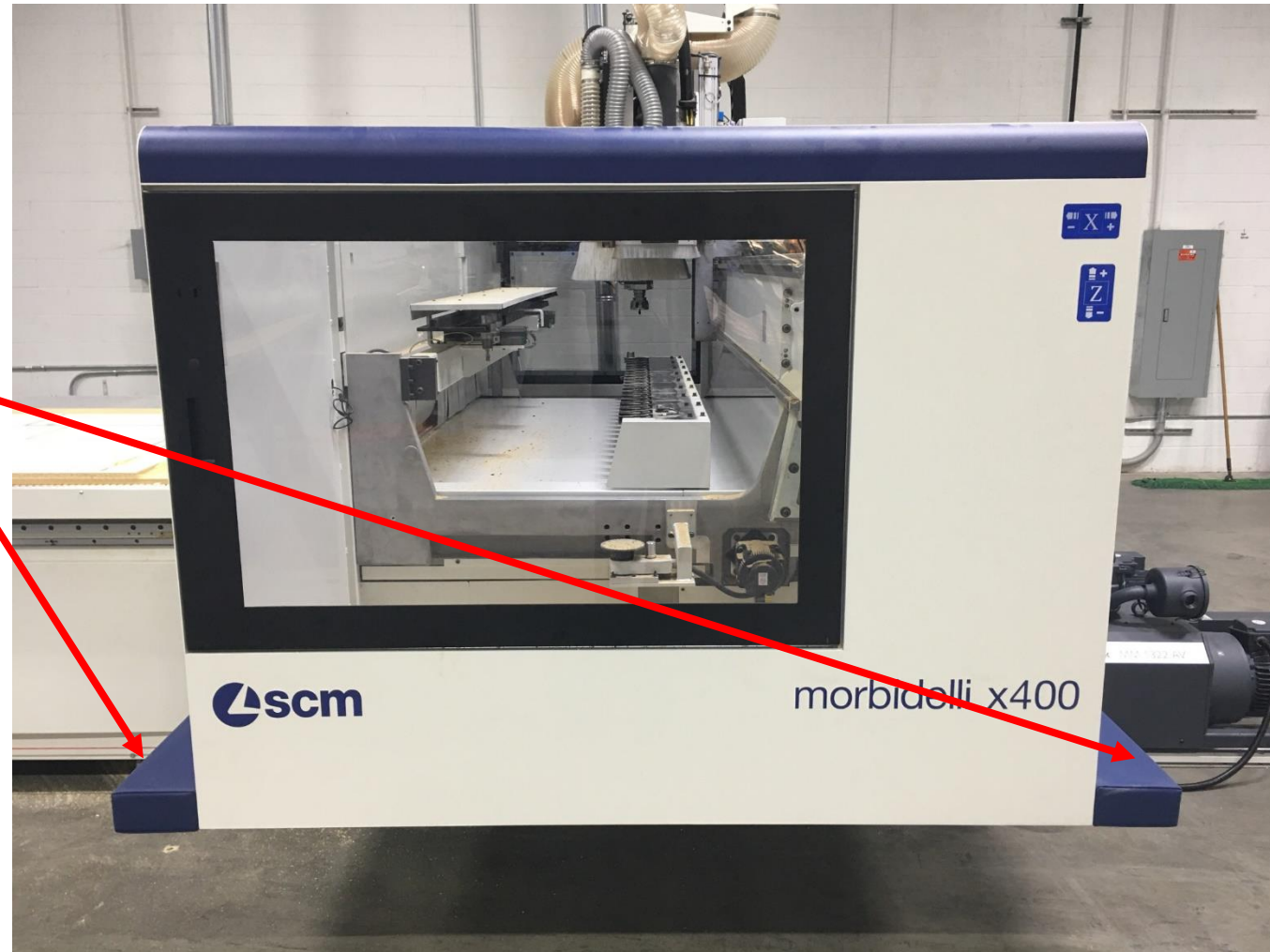
Enclosed gantry with safety bumpers.

Operator is protected from accidents due to tool failure or parts flying off the table. Easy access to machining area.



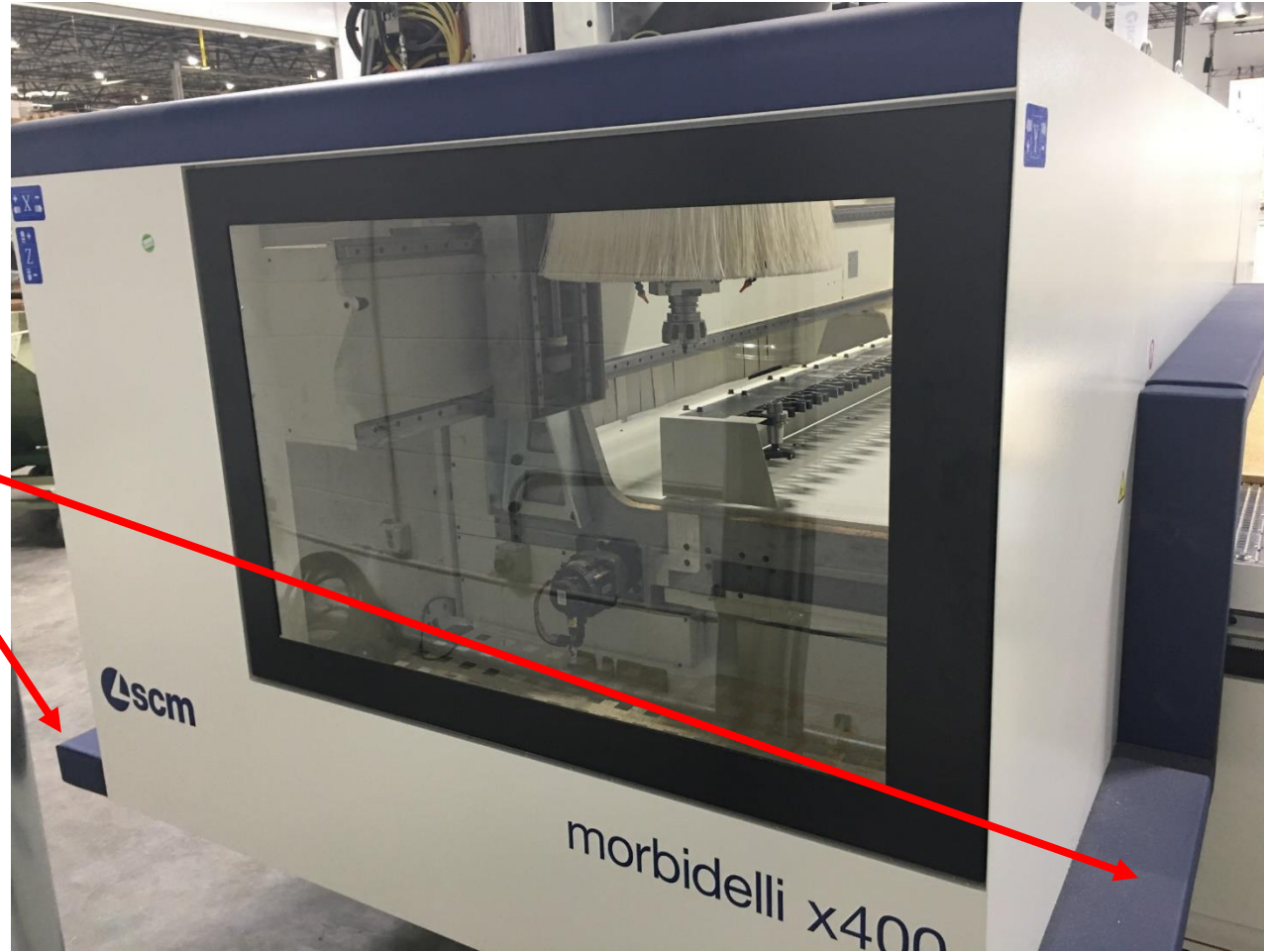
Front Safety Cage Morbidelli X Series

Safety Bumpers



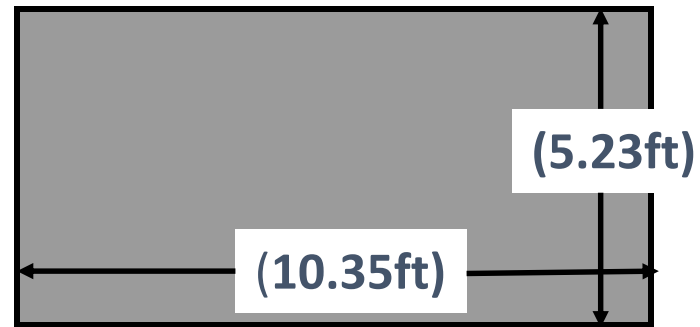
Rear Safety Cage Morbidelli X Series

Safety Bumpers



MORBIDELLI X200 CNC Router for Plastics

5ft x 10ft Vacuum Table



Work table

Two Working Zones



Aluminum Grid Vacuum Table

Openings 120mm Apart for
Maximum Vacuum coverage

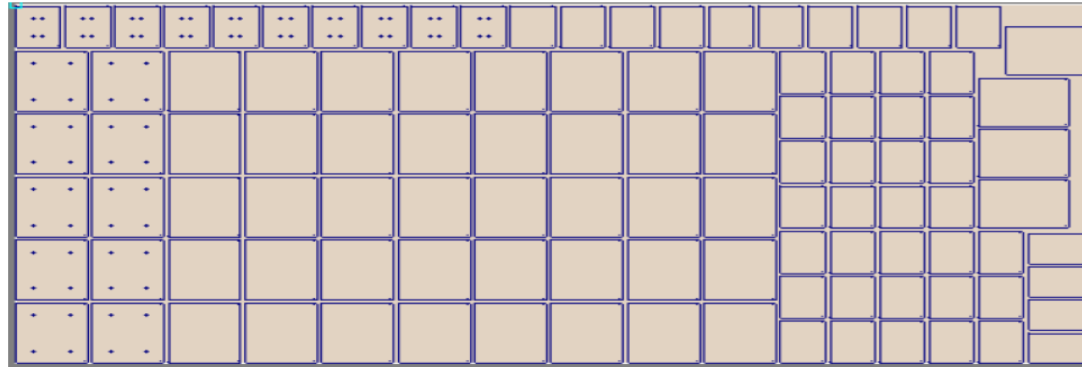
Table Supports Vacuum Cups and
Other Fixtures for side machining



Pendulum Machining

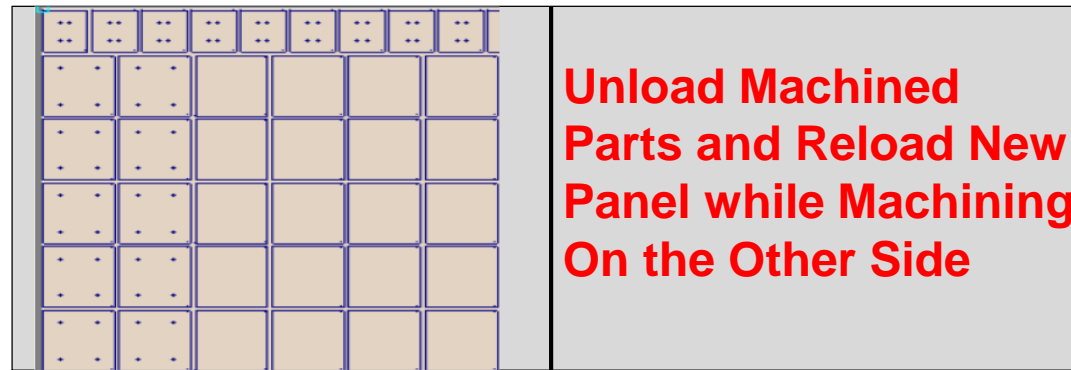
Work Table can be used as single zone to optimize and nest a part

Load Full 4 x 8ft or 5 x 10ft Sheet, Optimize Parts and Nest them completely



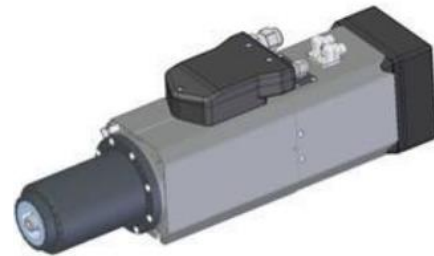
or Dual Zone to save changeover time with Pendulum Machining

Load Full 4 x 4ft or 5 x 5ft Sheet, Machine Parts on one Side of Machine while unloading and reloading on the other side to save Changeover time

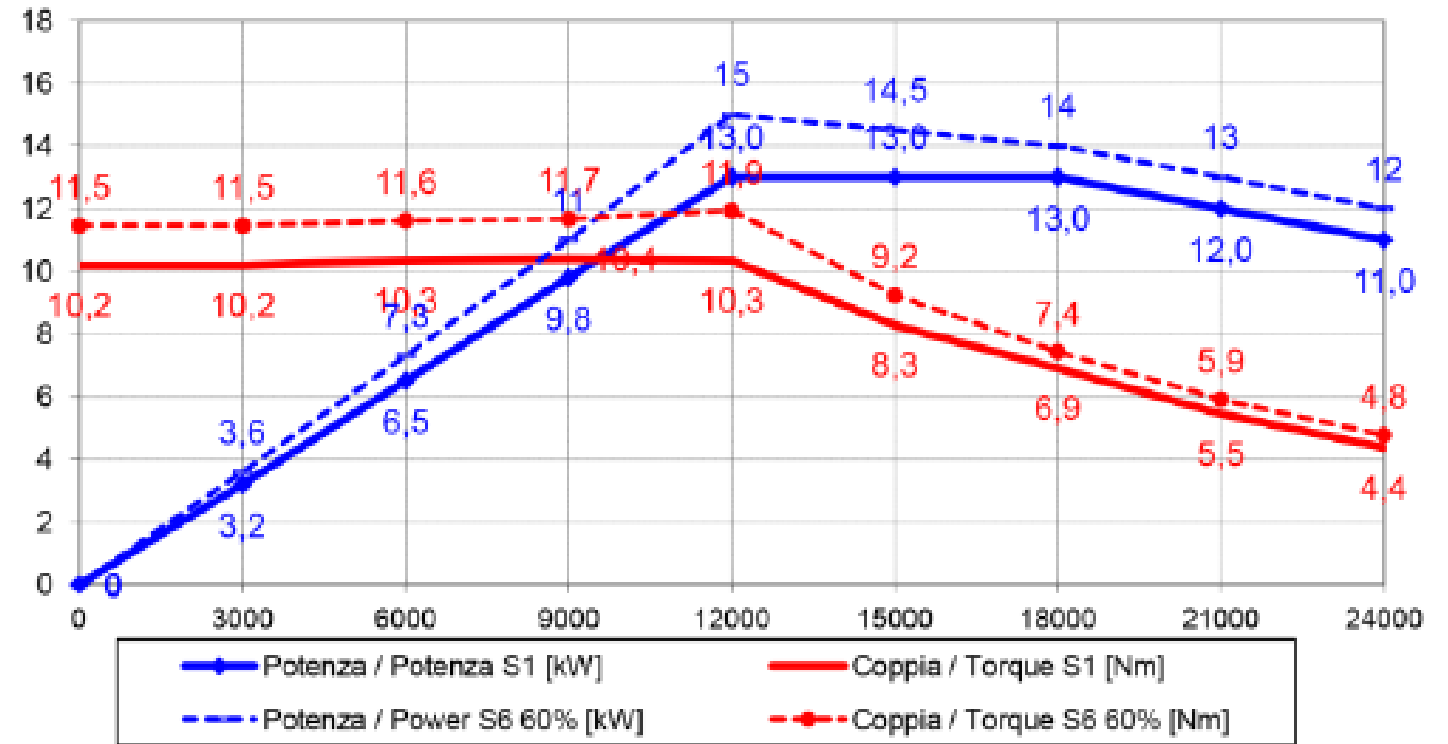


Electrospindle (X200)

3 Axis - 13HP
1,500 to 24,000 RPM
HSK Electrospindle



Power Performance

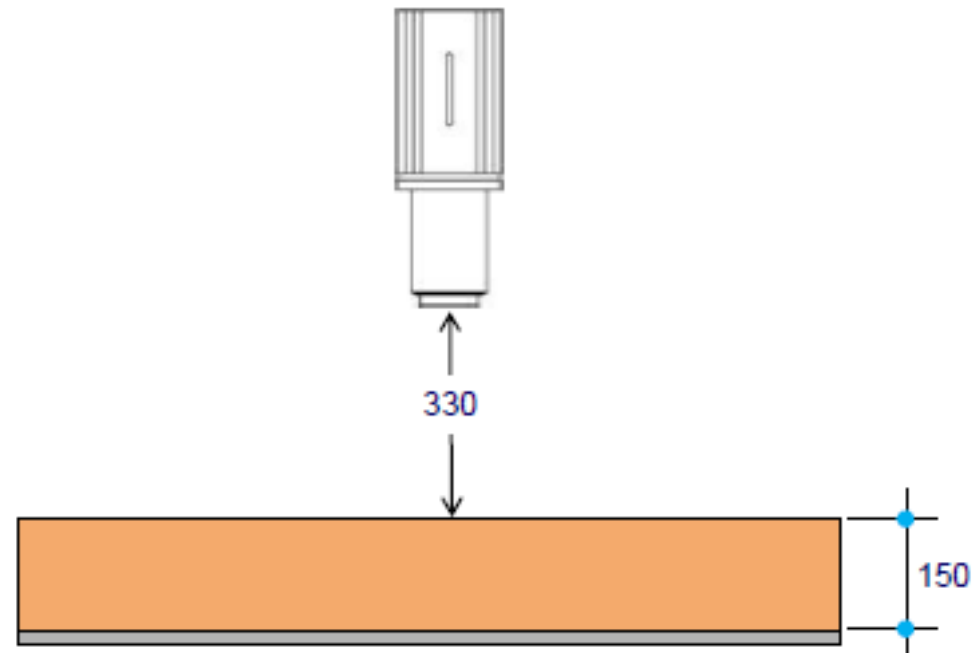


Panel Passage

X200

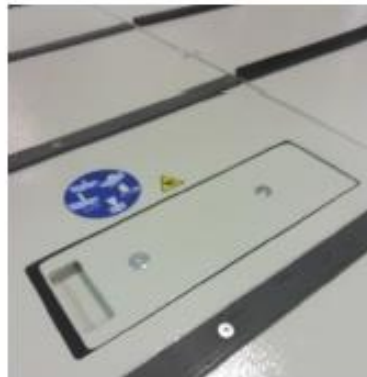
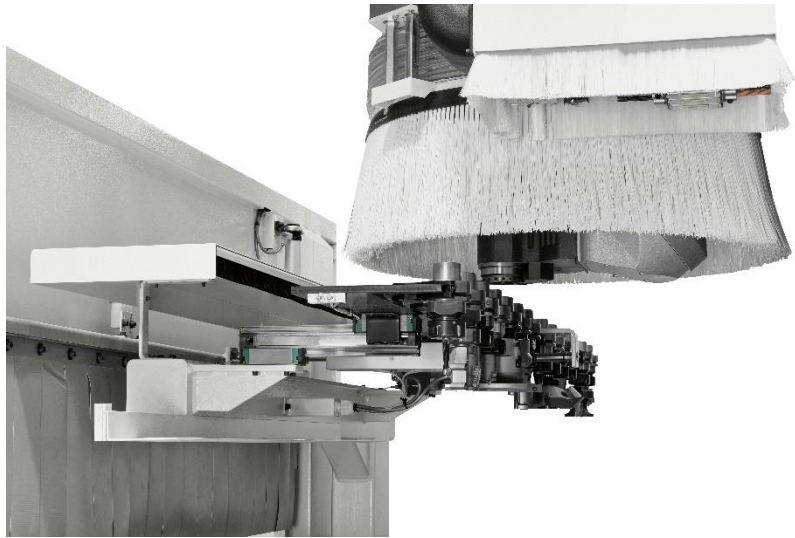
Z axis Stroke = 390mm

Panel Passage = 5.9"



On Board Tool Change

15 second “chip to chip” tool change reduces cycle time and improves productivity



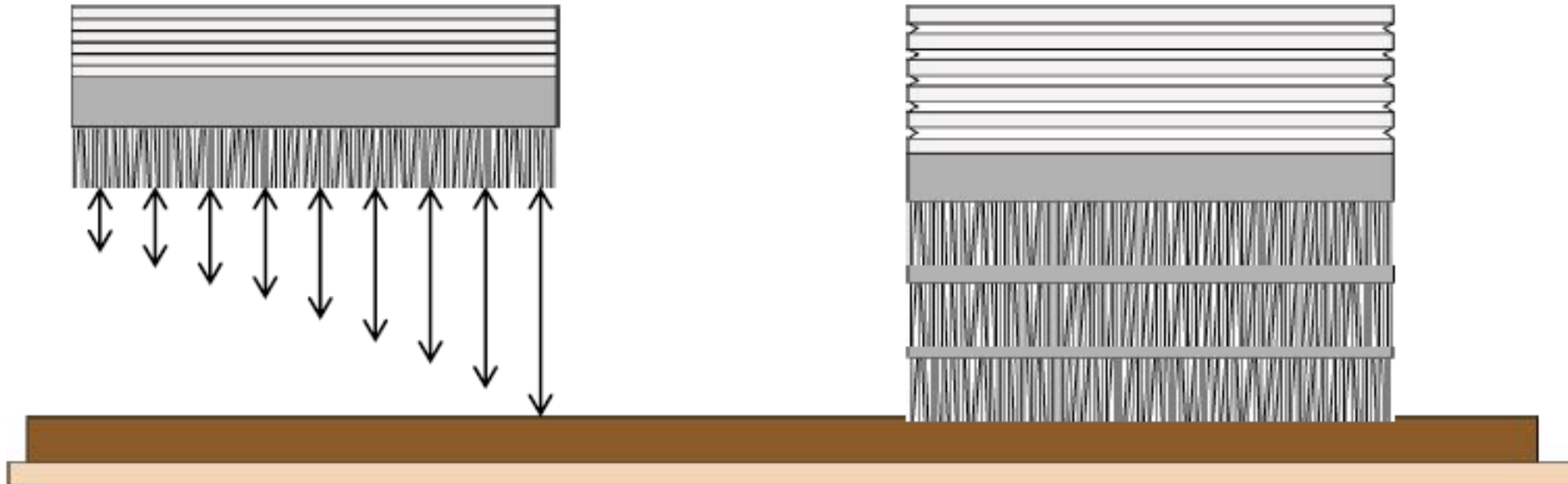
Tool Touch Off

No need to manually measure tool length



Dust Shroud with 4 positions to optimize dust collection

Results in cleaner machined pieces and a cleaner machine



Dual Vacuum Pumps

**Two Becker VTLF – 2.250 Vacuums Pumps
600 Cubic Meters of Vacuum to assist with
holding small parts**



Operator Interface with Windows 10

Mobile 21.5" Color Touch Screen Control with keyboard/mouse



7" Color Touch Screen Pendant control with Program information. Includes emergency stop and ability to control axis movements



Added Value

**Automatic CNC Lubrication for all three Axes
Less maintenance requirements / less chance
of problems related to lack of lubrication**



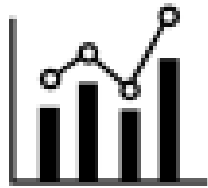
**208/230/ 460 Volt Transformer Included
Provides flexibility for electrical connections
over time**



Software, Training and Support

Two keys of easy to use Maestro CNC
Software with one seat of training included

Maestro Active – HORIZONTAL FUNCTIONALITIES



Reports



Alarms/warning
signalling



Maintenance
management



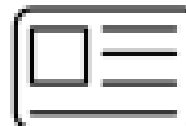
Users and access
management



Shifts
management



Languages
management



Machine master data

Maestro
cnc

Expand your creativity



Software, Training and Support

Maestro Connect

CONNECT YOUR MACHINE AND GAIN ACCESS TO A WORLD OF SERVICES

Connecting your machine through Maestro connect will let you subscribe a program of fast evolving services. You will access a wide range of benefits that even go beyond the machine experience and will support and assist you through the whole life-cycle of your machine.

FASTER SERVICE INTERVENTION AND PROBLEM RESOLUTION

Maestro connect provides real time data and Health Records of the Machine also to SCM Service drastically reducing its troubleshooting time.

WORKING ALWAYS IN PERFECT CONDITIONS

Maestro Connect can provide a full kit of sophisticated sensor devices to detect and warn the operator in case of alarming conditions of the machine.

SMART MAINTENANCE: DOWN TIME REDUCTION

Maestro connect reduces maintenance downtime thanks to:

- automatic maintenance notifications and scheduling, to prevent failures and work in the best conditions of use
- direct connection to SCM Service thanks to an automatic ticket opening function

SMART MACHINE: ANYTIME, ANYWHERE AWARENESS

Connecting your SCM machine also means having your machine always at hand. Immediate instant notifications in case of alarms or downtimes allow customers to immediately take an action thus optimizing his productivity.

SMART MANAGEMENT: PRODUCTION PERFORMANCE OPTIMIZATION

Reports and KPIs allow further analysis thus increasing Customer Knowledge about his performance and results.

SMART PARTS: FAST PARTS REPLENISHMENT

Repairs are scheduled proactively since the system provides Spare Parts suggestions and a direct Integration with Smart Parts e-shop.

SMART LEARNING: EXECUTE WORK AND RECEIVE PROBLEM SOLVING SUPPORT

Maestro connect provides an intuitive Problem Solving Management System to help the operator to self solve any issue.

SMARTTECH: FASTER AUGMENTED SUPPORT

Maestro connect allows augmented reality support by means of Smarttech: the head-wearable computers with wireless connectivity that will bring the interaction between customer and SCM service to a higher level.

SMART WARRANTY: YOUR MACHINE ALWAYS IN PERFECT CONDITIONS

Together with scheduled maintenance contracts, you can take care of your asset by doubling the warranty from 1 year to 2 years* for complete peace of mind!

** please read the complete contract to understand terms and conditions.*

