


top  **DRILL**.com  
FIRST IN VERTICAL DRILLING 



THE LARGEST  
RANGE!  
THE MOST  
EXPERIENCE!

# PRODUCT OVERVIEW



ENGLISH

MILLING – DRILLING – COUNTERSINKING – GRINDING

10.2014

Page	Type	Working height mm inch	Max. glass height mm inch	Open top	Drilling	Countersinking	Milling, Grinding	Digital Drilling Head	Glass transport	Tool change	Tool capacity	Fully automatic	Data interface
4	<b>topCUT 130 Diamond</b>		1300	✓					man				
5	<b>TD 130 Easy</b>		1300	✓	✓				man	man CMX	1+1		
6	<b>TD 130 nc</b>		1300	✓	✓			✓	auto	man CMX	1+1	✓	✓
7	<b>TD 240 nc</b>		2400		✓			✓	auto	man CMX	1+1	✓	✓
8	<b>TD 130 RX smart-5</b>		1300	✓	✓	✓		✓	auto	auto	5+5	✓	✓
10	<b>TD 130 RX speed-10</b>		1300	✓	✓	✓		✓	auto	auto	10+10	✓	✓
12	<b>TD 240 RX smart-5</b>		2400		✓	✓		✓	auto	auto	5+5	✓	✓
13	<b>TD 240 RX speed-10</b>		2400		✓	✓		✓	auto	auto	10+10	✓	✓
16	<b>TD M-RX 130 linear-8</b>		1300	✓	✓	✓	✓	✓	auto	auto	8+8	✓	✓
17	<b>TD M-RX 200 linear-8</b>		2000		✓	✓	✓	✓	auto	auto	8+8	✓	✓
18	<b>TD M-RX 130 roto-10</b>		1300	✓	✓	✓	✓	✓	auto	auto	10+10	✓	✓
20	<b>TD M-RX 200 roto-10</b>		2000		✓	✓	✓	✓	auto	auto	10+10	✓	✓
22	<b>Software</b>												✓

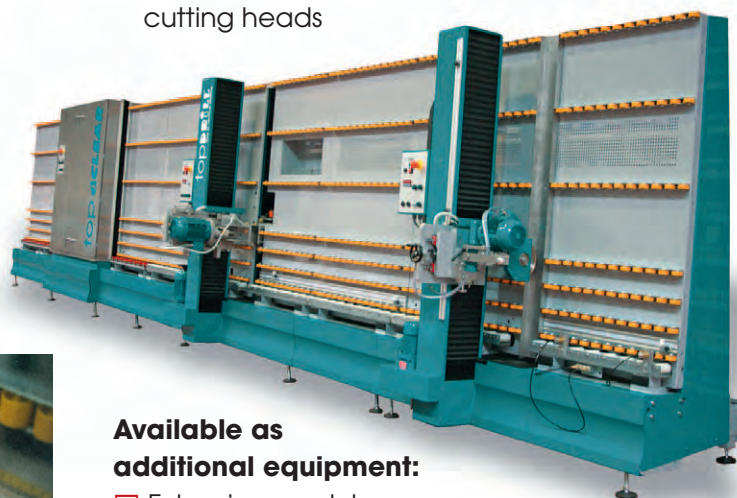
## topCUT 130 Diamond

**topCUT Diamond is a potential addition to the topDRILL devices. This diamond saw is mounted on the same base frame, as the drilling machines.**

**The particular advantages of this machine are:**

- ✓ Robust and vibration-free guidance of the saw blade
- ✓ Optional delivery with 85mm or 200mm blade
- ✓ Saw head can be tilted for vertical or horizontal cuts

- ✓ Motorized-feed with variable speed
- ✓ Quick change system for the exchange of cutting heads



**Available as additional equipment:**

- ✗ Extension modules
- ✗ Second saw head (complete unit) with different diameter





# topDRILL 130 Easy

**topDRILL 130 Easy is our established and robust starter model for double-sided semi-automatic glass drilling machines. The specification of the machine is complete; the operation is optimized by using a PLC. The stable version with the fixed support height also allows the processing of heavy glasses with large dimensions.**

## The particular advantages of this machine are:

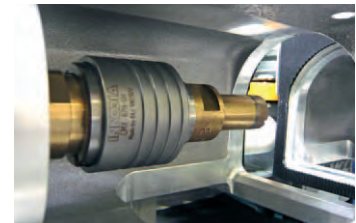
- ☑ Machine weight 1500 kg / 3300 lbs, Modular design
- ☑ Single lever operation for the complete drilling cycle
- ☑ Motorized height adjustment with digital display
- ☑ Electronic speed adjustment with scale
- ☑ Fixed glass support rollers, movable drill heads
- ☑ Precision linear guides for drilling head movements
- ☑ Maximum drilling diameter: 100mm with no problems
- ☑ Easy setting without marking or laser
- ☑ Combinations with diamond saw or washing machine



Foldaway length stop



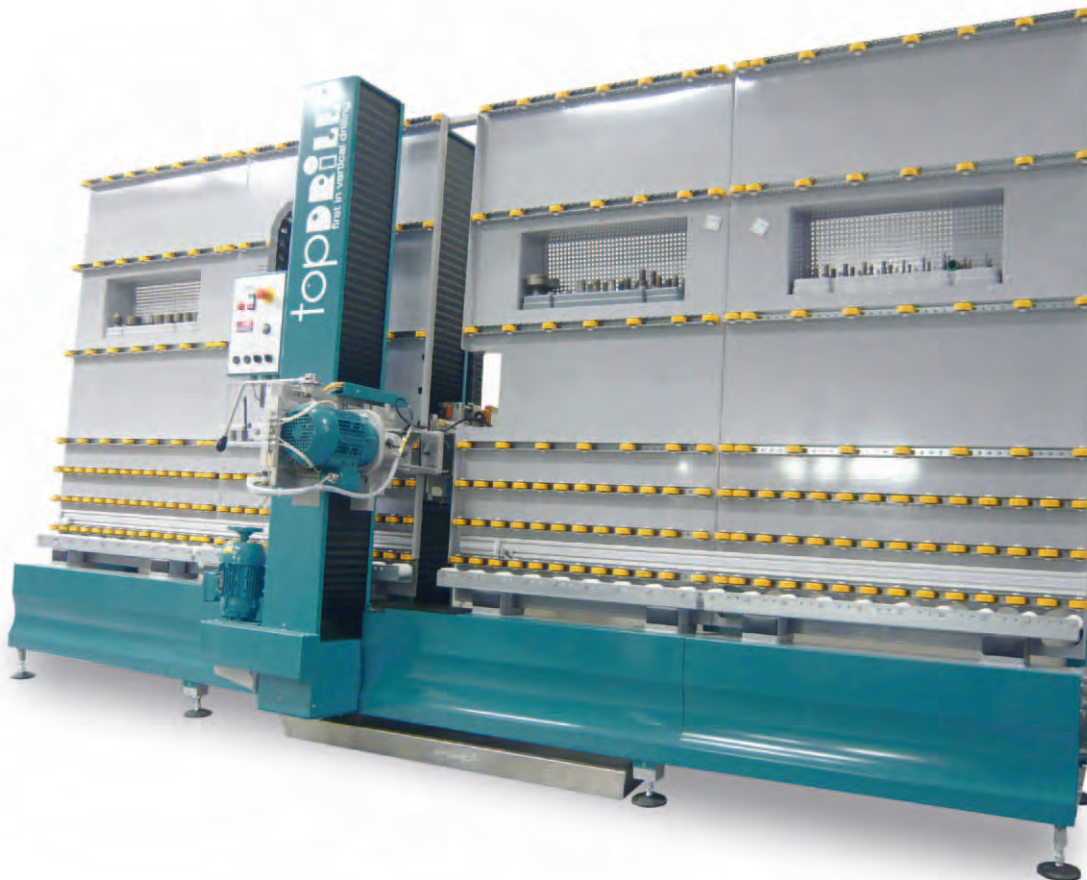
Motorized height adjustment



Quick change system for drills \*

## Available as additional equipment:

- ☒ Our patented CMX quick change system
- ☒ Extension modules right or left, 1 or 2 meters
- ☒ Drill store-room integrated into the rear wall



1300 mm  
51"



open top



250 x 200  
10 x 8"



3 - 40 mm  
0,12" - 1,5"



4 mm  
0,15"



100 mm  
3,9"



600 mm  
23,6"



manuell



man/  
pneu



0 - 6000



2 x 2,2 kW



1 + 1



1650 kg  
3600 lbs



2 x 1,4 x  
2,3



**topDRILL 130 nc is a fully automatic double-sided glass drilling machine with digital drilling heads and automatic glass transport. All movements are controlled through the display, there are no manual adjustments necessary. After a tool change, tools are automatically measured. The operator must only place the glass and start the program.**

**The particular advantages of this machine are:**

- ☑ Working direction from left to right OR from right to left
- ☑ All movements use servomotors, no settings
- ☑ Design open top no limit of the glass dimensions
- ☑ Glass thickness up to 40mm, drilling diameter: up to 100 mm
- ☑ Extremely compact design, possible to install next to a wall
- ☑ Operation with a folding 15" TFT touch screen, with USB
- ☑ Network ready, dxf import with TDI-draft, interface compatible \*
- ☑ Waterproof protective housing, two-piece stainless steel water tank
- ☑ Service interval indicator, manual central lubrication system



Photocells splashproof



Automatic dressing unit

**Available as additional equipment:**

- ☒ Fully automatic dressing system, tool calibration from 3 mm glass thickness
- ☒ Extension modules 1 or 2 mt, manual or automatic
- ☒ Our patented CMX quick change system
- ☒ Barcode scanner or data import from ERP software
- ☒ systems Flat glass washing machines with speed adjustment
- ☒ Data interface to A + W, Bitec, FeneTech, Hanic, Lisee, ...



1300 mm 51"	open top	600 x 200 23 x 8"	3 – 40 mm 0,12 – 1,5"	4 mm 0,15"	100 mm 3,9"	600 mm 23,6"	20 m / min	3 mm / sec.	0 – 6000	2 x 2,2 kW	1 + 1	1850 kg 4100 lbs	4 x 1,7 x 2,3



**topDRILL 240 nc is the big version of our fully automatic single-head drilling machines. The device works without operator intervention. All drill positions and length of the drill bit will be set automatically.**

**The particular advantages of this machine are:**

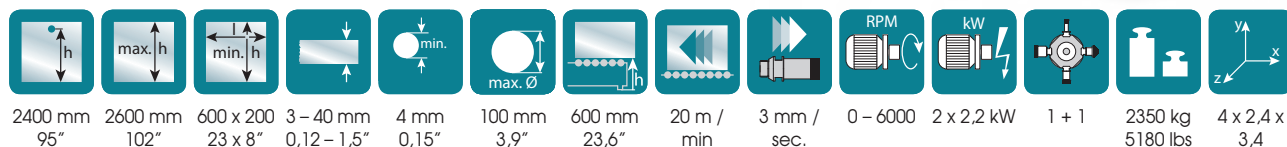
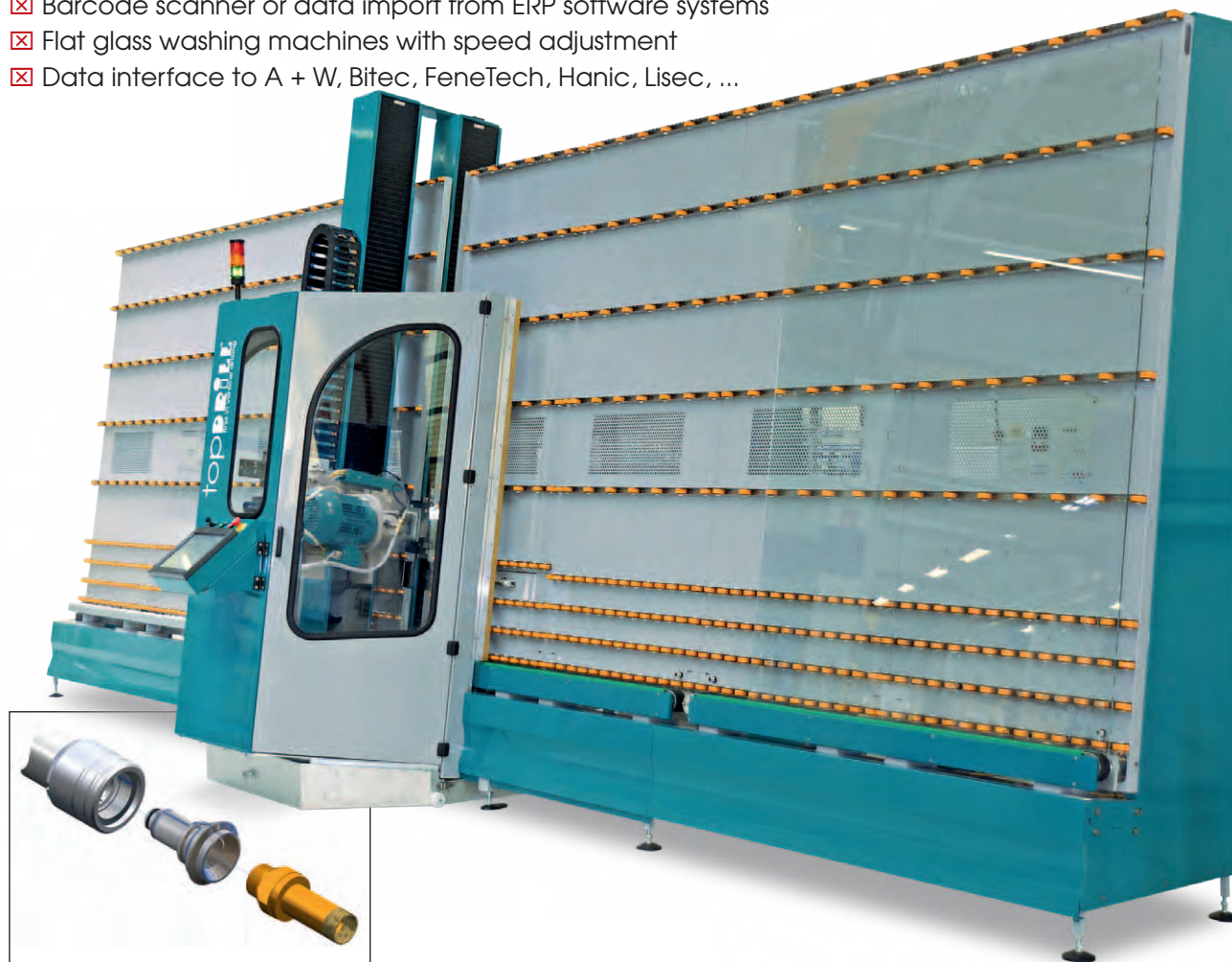
- ☑ Working direction from left to right OR from left to right
- ☑ All movements use servomotors, no settings
- ☑ Glass thickness up to 40 mm, drilling diameter: up to 100 mm
- ☑ Extremely compact design, mounting a wall possible
- ☑ Large glass dimensions up to 2600 x 8000 mm / 102" x 310" \*
- ☑ Operation with 15 „TFT touch screen, folding, with USB
- ☑ Network ready, dxf import with TDI-draft, interface compatible \*
- ☑ Waterproof protective housing, two-piece stainless steel water tank
- ☑ Service interval indicator, manual central lubrication system



Extension modules with rollers or  
with precision belts

**Available as additional equipment:**

- ☒ Fully automatic dressing system , tool calibration from 3 mm glass thickness
- ☒ Extension modules 1 or 2 mt, manual or automatic
- ☒ Our patented CMX quick change system
- ☒ Barcode scanner or data import from ERP software systems
- ☒ Flat glass washing machines with speed adjustment
- ☒ Data interface to A + W, Bitec, FeneTech, Hanic, Lisec, ...



# topDRILL 130 RX smart-5



The topDRILL 130 RX smart-5, is together with the 240 RX smart-5 the best-selling device for the entire series. The ingenious tool changer is very fast, relatively simple and absolutely uncomplicated to use. Deep countersinking front and rear will be made without any restrictions irrespective of tool diameter. The first tool change takes place during the drilling process on the opposite side. The high-performance spindles are water-cooled, extremely robust and durable without high maintenance costs!

## The particular advantages of this machine are:

- ☑ Drilling and countersinking with absolute precision in one clamping
- ☑ Design open top, no limit of the glass dimensions
- ☑ Torque control for deep countersinking without glass breakage
- ☑ Water-cooled high-performance spindles, each with 5.5 kW
- ☑ Dynamic tool change while processing
- ☑ Drilling diameter up to 80mm, glass thicknesses up to 40 mm
- ☑ Program preselection and Laminated-glass-mode standard
- ☑ Job Overview with tool preview

## FACT-BOX: CYCLE TIMES RX

	Glass sheet 1 x 1mt (40" x 40") 10 cylindrical holes 160 seconds
	Glass sheet 1 x 1mt (40" x 40") 4 cylindrical holes Countersinking front and rearside 160 seconds
	Glass door 0,8 x 2mt (32" x 80") 6 holes with countersinking 320 seconds



topDRILL 130 RX smart-5 with manual extensions,  
total length 6 meter / 236"



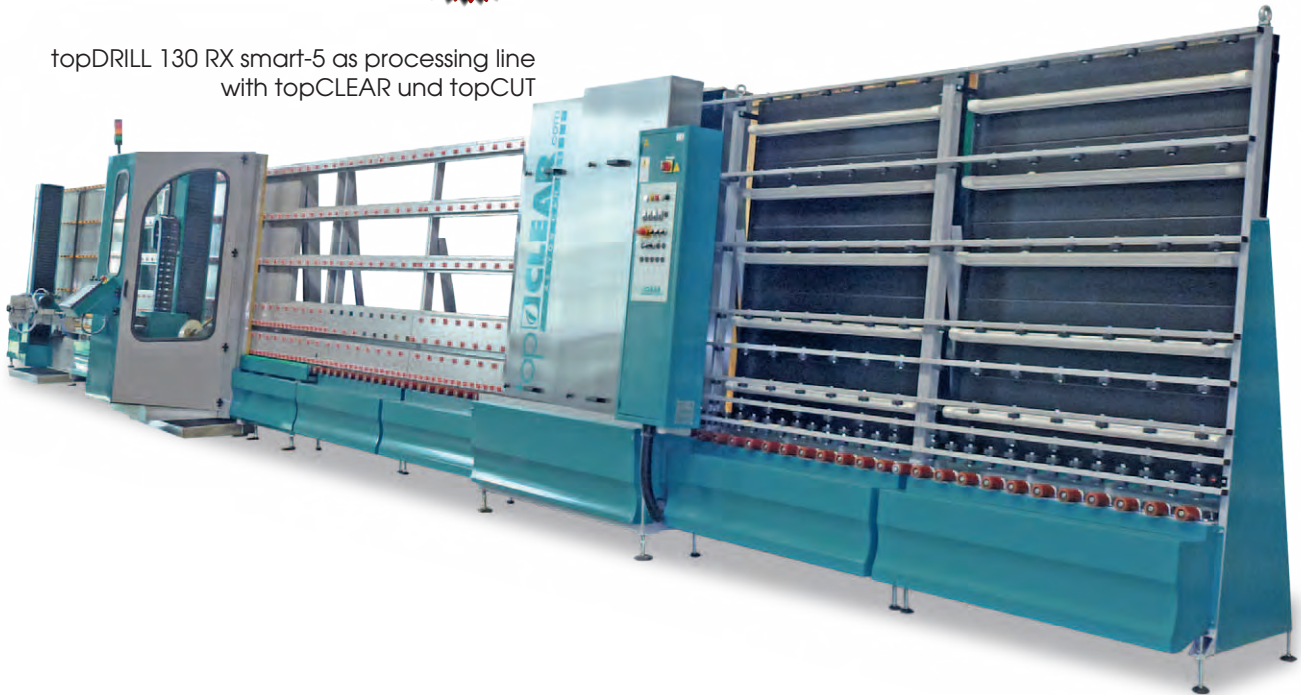
1300 mm 51"	open top	600 x 200 23 x 8"	3 - 40 mm 0,12 x 1,5"	4 mm 0,15"	80 mm 3,1"	600 mm 23,6"	20 m / min	3 mm / sec.	0 - 6000 RPM	2 x 5,5 kW	5 + 5	2250 kg 4960 lbs	4 x 2,1 x 2,3		



**BEST-  
SELLER**

## topDRILL 130 RX smart-5

topDRILL 130 RX smart-5 as processing line  
with topCLEAR und topCUT

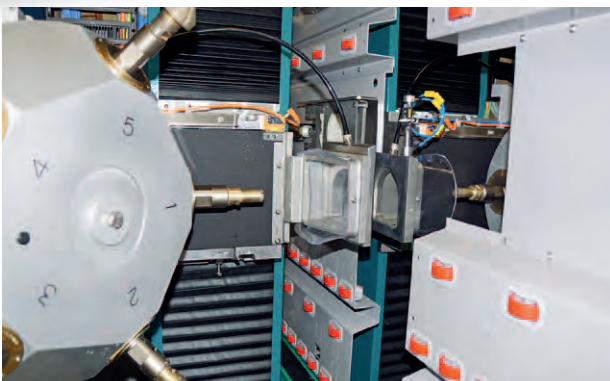


### Available as additional equipment:

- ☒ Vollautomatisch Bohrer schärfen, Antasten ab 3 mm Glasstärke
- ☒ Verlängerungsmodule 1 oder 2 mt, manuell oder automatisch
- ☒ Barcode-Scanner bzw. Datenimport von ERP-Softwaresystemen
- ☒ Massive Kugelumlaufspindel für die Bewegung der Y-Hubachse



operator panel, foldaway, for optimal view



The tools are always ready for drilling



Waterproof and easily accessible

# topDRILL 130 RX speed-10



The topDRILL 130 RX speed 10 is the new highlight in vertical drilling technology. Both front and rear tool change can carry up to 10 tools on each side. The intelligent tool changer sorts the next tool during processing. No set-up times, and the high number of tools in conjunction with the simple and sophisticated programming make the RX speed 10 favorite in the pre-processing.

## The particular advantages of this machine are:

- ☑ Drilling and countersinking with absolute precision in one clamping
- ☑ Design open top, no limit of the glass dimensions
- ☑ Torque control for deep countersinking without glass breakage
- ☑ Water-cooled high-performance spindles, each with 5.5 kW
- ☑ Dynamic tool change while processing
- ☑ Drilling diameter up to 80 mm, glass thicknesses up to 40 mm
- ☑ Program preselection and Laminated-glass-mode standard
- ☑ Job Overview with tool preview
- ☑ Solid ball screw for moving the lifting axis (Y-axis)



The installation next to a wall is possible



1300 mm 51"	open top	600 x 200 23 x 8"	3 – 40 mm 0,12 x 1,5"	4 mm 0,15"	80 mm 3,1"	600 mm 23,6"	20 m / min	3 mm / sec.	0 – 6000 RPM	2 x 5,5 kW	10 + 10	2250 kg 4960 lbs	4 x 2,1 x 2,3		

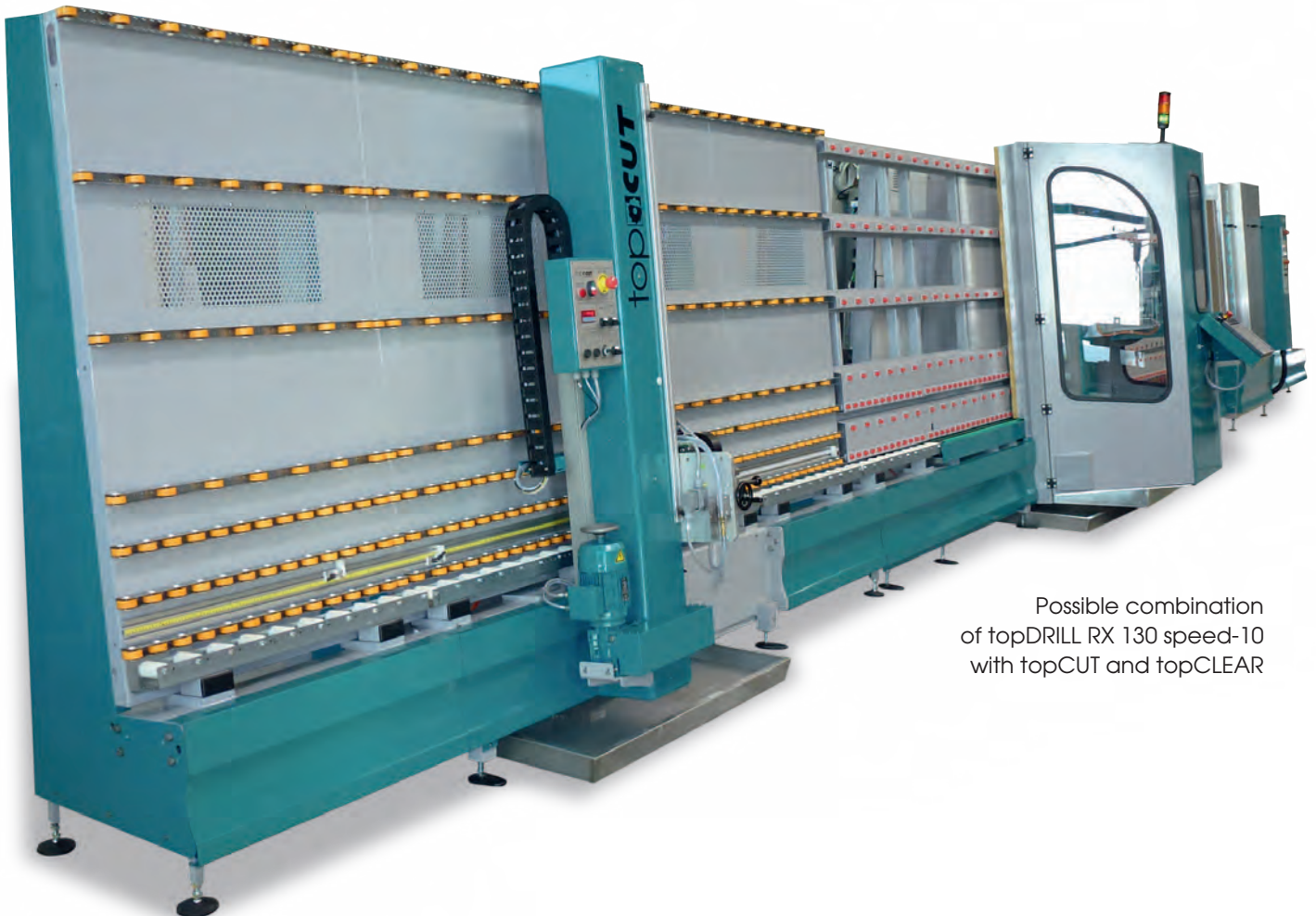


**BEST-SELLER**

# topDRILL 130 RX speed-10

## Available as additional equipment:

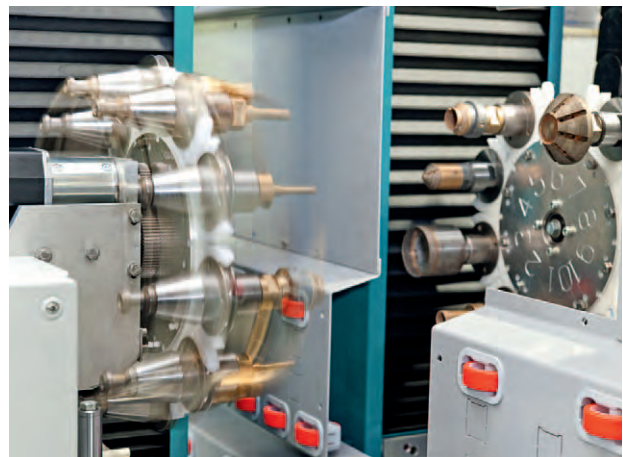
- ☒ Fully automatic dressing system, tool calibration from 3mm glass thickness
- ☒ Extension modules 1 or 2 mt, manual or automatic
- ☒ Barcode scanner or data import from ERP software systems



Possible combination  
of topDRILL RX 130 speed-10  
with topCUT and topCLEAR



Design open top through extreme stable  
construction – no height limit of the glass



10 tool front + 10 tools rear

# topDRILL 240 RX smart-5



Our topDRILL 240 RX smart-5 has been the favorite vertical glass processing machine for many years. The total flexibility and ease of programming make this machine an obvious choice. Extremely low maintenance costs through the use of robust and proven components, ease of coupling to other equipment, and simple to use software solutions are major selling points.

## The particular advantages of this machine are:

- ☑ Drilling and countersinking with absolute precision in one clamping
- ☑ Design open top, no limit of the glass dimensions
- ☑ Torque control for deep countersinking without glass breakage
- ☑ Water-cooled high-performance spindles, each with 5.5 kW
- ☑ Dynamic tool change while processing
- ☑ Drilling diameter up to 80mm, glass thicknesses up to 40 mm
- ☑ Program preselection and Laminated-glass-mode standard
- ☑ Job Overview with tool preview



Ball screws for the Y-axis \*

## Available as additional equipment:

- ☒ Fully automatic dressing system, tool calibration from 3mm glass thickness
- ☒ Barcode scanner or data import from ERP software systems
- ☒ Solid ball screw for moving the lifting axis (Y-axis)
- ☒ Data interface to A + W, Bitec, FeneTech, Hanic, Lisee,...



2400 mm 95"	2600 mm 102"	600 x 200 23 x 8"	3 – 40 mm 0,12 – 1,5"	4 mm 0,15"	80 mm 3,1"	600 mm 23,6"	20 m / min	3 mm / sec.	0 – 6000 RPM	2 x 5,5 kW	5 + 5	2650 kg 5850 lbs	4 x 2,4 x 3,4

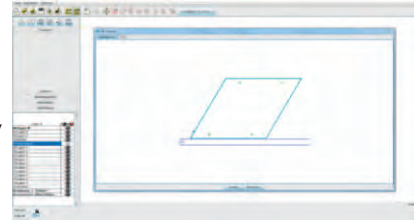




**TDI-draft is a modern CAD drawing interface especially for flat glass processing, so that you can easily import dxf-data or create your own drawings. TDI-draft complements the drawing data with the necessary drilling and processing information and creates a machine readable tdi-format.**

Take advantage of TDI-draft alone or in addition to an integrated data interface for automatic data exchange with your topDRILL system. Data interfaces are i.e. available for A + W, Bitec, FeneTech, Hanic, Lisec, ...

- ☑ Dxf-Import and -export (also automatically possible)
- ☑ Shapes are automatically machinable
- ☑ Automatic detection of drilling diameter etc.
- ☑ Adds drilling- and countersinking depth manually or automatically
- ☑ Manages your operator and several topDRILL - systems
- ☑ Adds Working sense, parking position, VSG mode, serial mode...

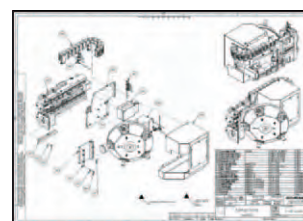


All topDRILL machines (beginning of type nc) are equipped as standard with network interface. This provides the possibility of data exchange via Ethernet, FTP, or via USB. Connection options are on the front at the control panel or directly back at the electrical cabinet!

## Service, spare parts

**As a professional, you know that not only the quality of the machine and the components which are used is important. Fast after-sales service and availability of spare parts is assured**

Our entire topDRILL Engineering is in Austria, a large part of the production parts are also „made in Austria“. Of course, you can expect that the machines and the items are drawn according to the state of the art technology with the latest 3D programs. We offer you not only for the current machines the best service and availability, older and existing installations of previous generations are also supplied promptly \* with spare parts!



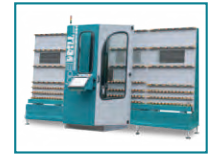
G1 from 1996



G2 from 1998



G3 from 2004



G4 from 2011



G5 from 2012

## References:



**topDRILL.com**  
FIRST IN VERTICAL DRILLING



**Nothing is stronger than an idea whose time has come!**



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[www.topdrill.com](http://www.topdrill.com)

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