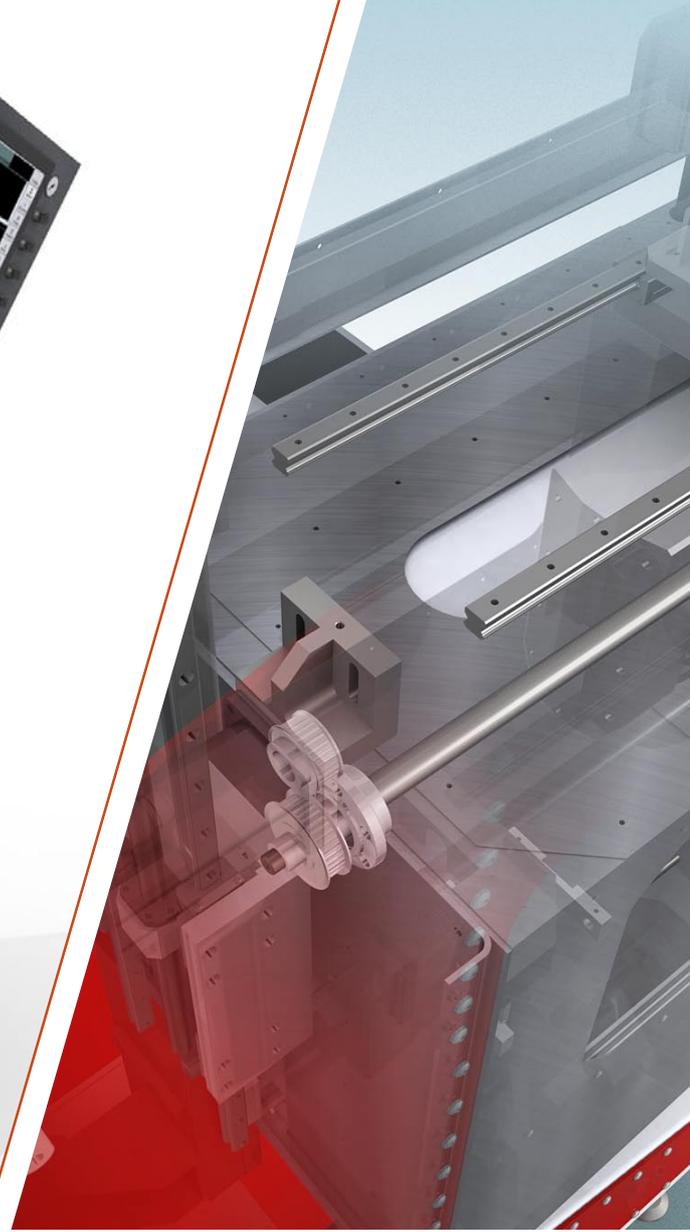




GLASS CUTTING AUTOMATIC

MACHINE - **BM JACK**



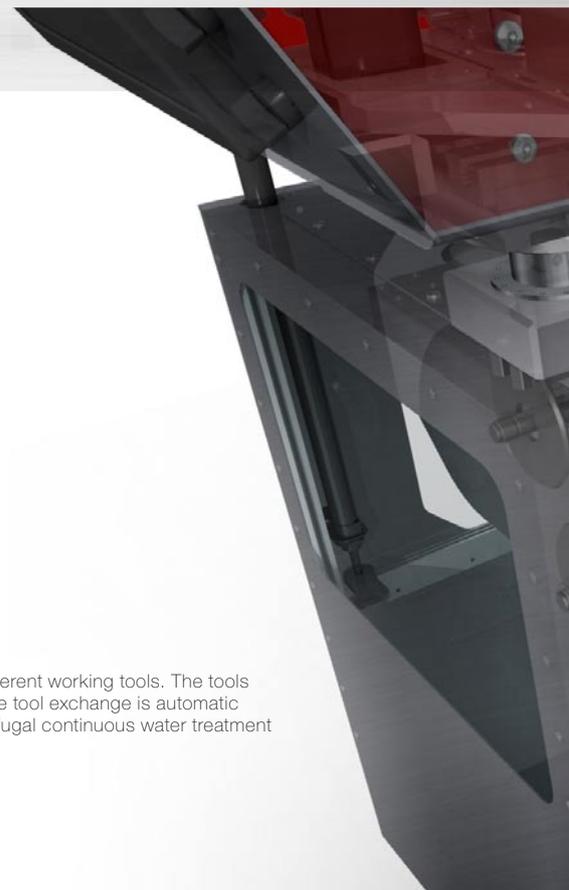


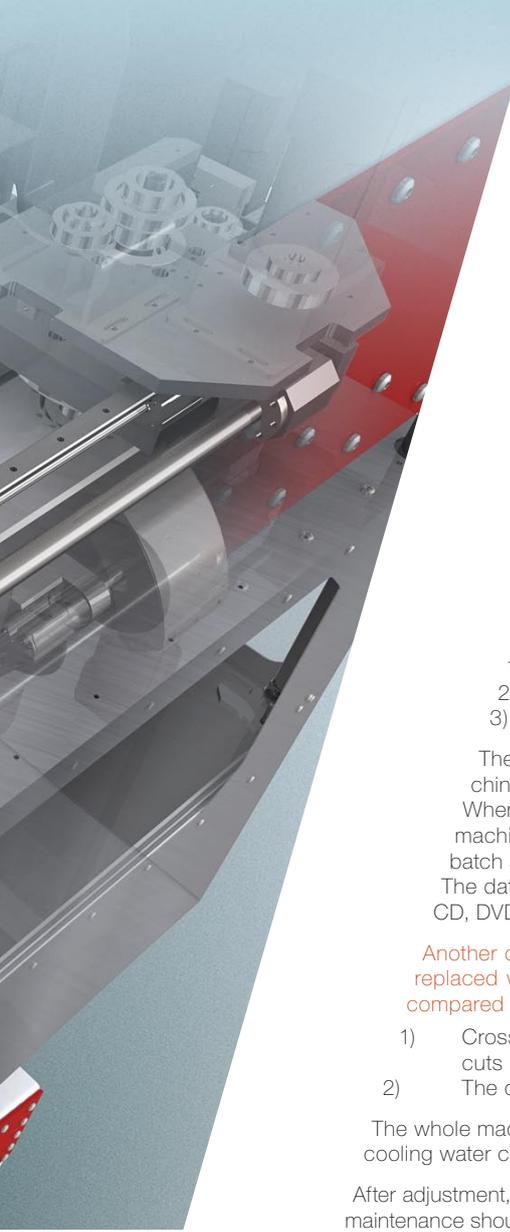
TECHNICAL DATA

Length of the machine	1720 mm
Width of the machine	600 mm
Height of the machine	2100 mm
Machine weight	750 kg
Cycles	about 1-10/minute, depending on the pattern
Maximum product diameter	420 mm
Maximum product height	350 mm
Product weight	up to 4 kg (according to customer's wishes)
Product shape	rotary (non-rotary and flat coming soon)
Clamping	vacuum or mechanical (pneumatic)
Installed input	6,5 kW
Average input	3,5 kW
Control medium	vacuum (the vacuum pump is not included, input 0.8kW)
Maximum wheel diameter	150 mm
Wheel revolutions	200-6000 rpm
Number of cutting wheels	1 (3)
Cooling medium	water with emulsion

Optional equipment (not included in the machine basic price):

- Upon request, the machine can be fitted with a three-position revolving head that enables to fix three different working tools. The tools are exchanged in accordance with the program depending on the cut that is currently being processed. The tool exchange is automatic
- Upon request, the machine can be delivered with a vacuum pump used for clamping products
- Centrifugal continuous water treatment unit
- Design (drawing) program Horus
- Various diamond tools
- Various clamps to fix the products





BM JACK

GLASS CUTTING AUTOMATIC MACHINE

Glass cutting automatic machine BM-Jack is designed for decoration of glass articles.

In fact, this machine brings a brand new innovation in glass cutting decoration. So far, the machine glass cutting has never been so close to the manual glass cutting decoration. The individual machine axes can move with servomotors. In total, there are seven servomotors mounted in the machine. The cutting wheel is driven with an asynchronous motor. An electric switchboard with all necessary electric components used to control the machine is a part of the machine too.

There is a touch-screen on the front side of the machine at which you can adjust some parameters necessary to tune up the cutting program.

The cutting program uses a design software. You can get this software in the following way:

- 1) Purchase from Horus.
- 2) File generation according to customer's wishes - this is convenient in the case of repeated orders
- 3) Upgrading of an older Horus or Wincut program.

The design software generates a data file that is subsequently loaded in the machine PC (situated in the machine switchboard). The machine computer repeatedly controls the whole cutting process then.

When cutting with more machines, just one design software is sufficient. It generates the data files for individual machines, e.g. different patterns can be cut at each position. This automatic machine is economical for as small batch as 60 - 100 article pieces.

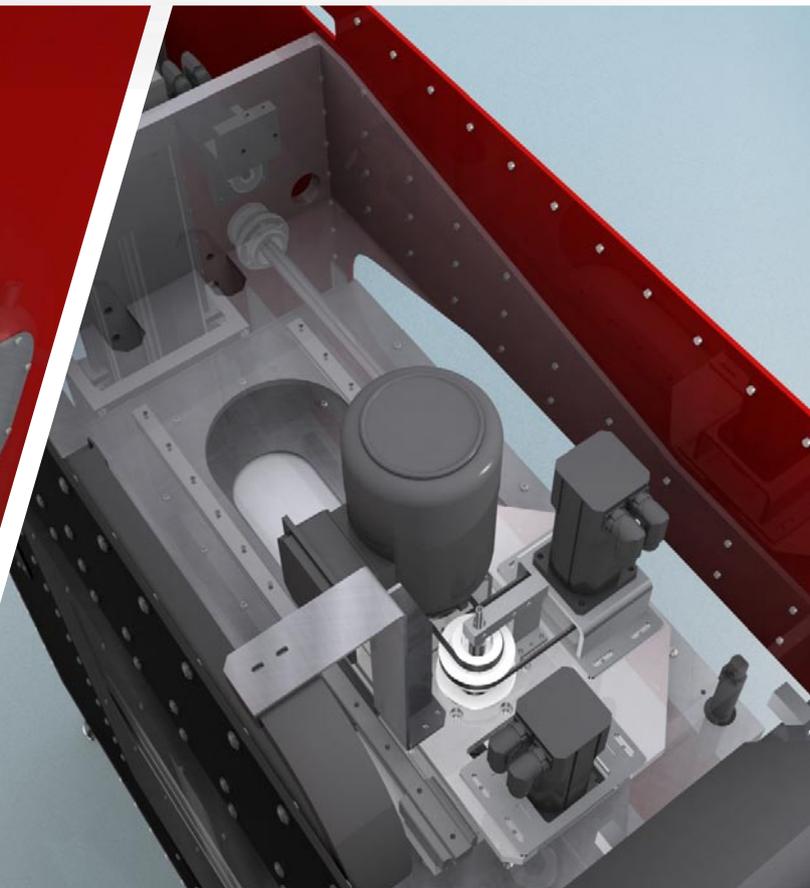
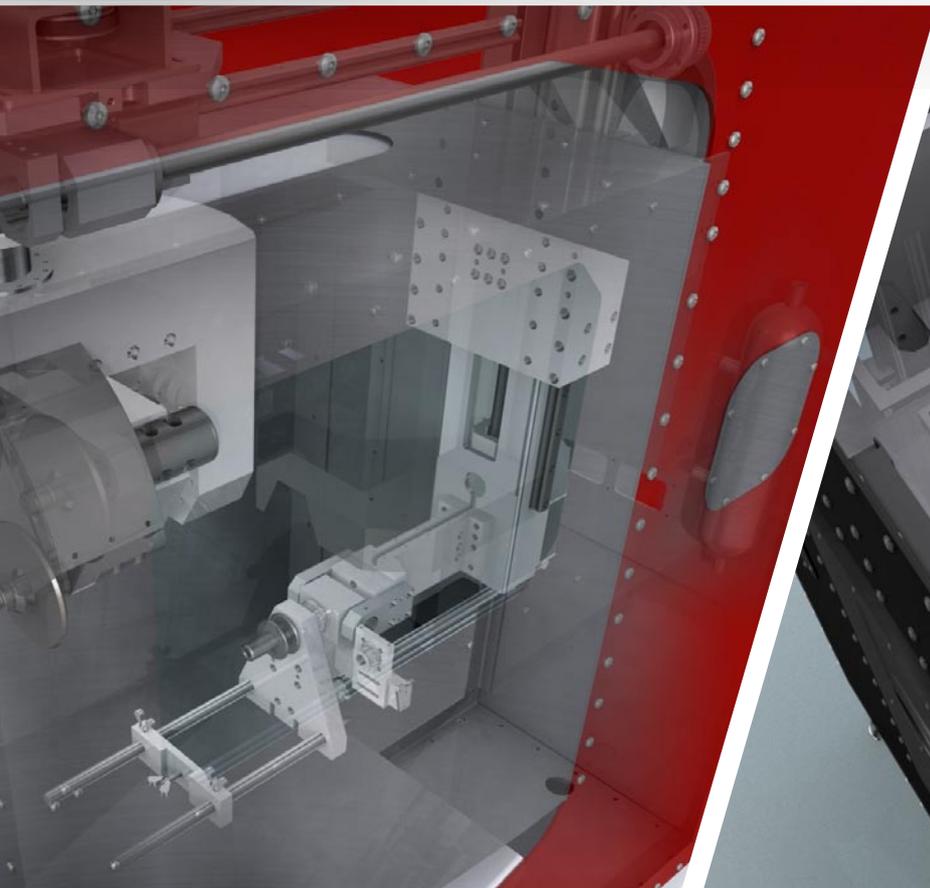
The data files can be loaded from the design software using the following way – network data transfer, flash disc, CD, DVD or wireless data transfer.

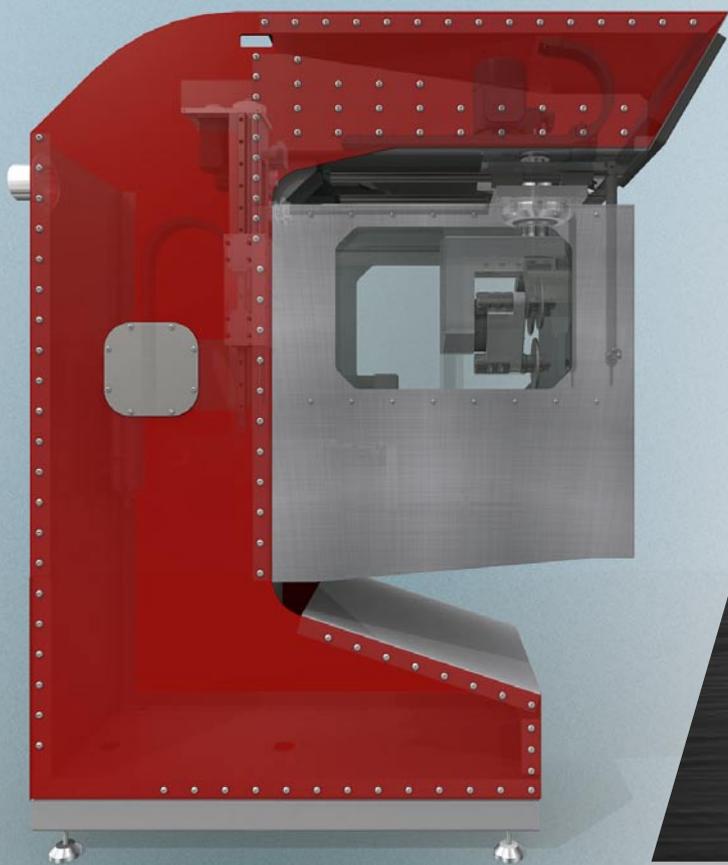
Another obvious advantage of the machine is the fact that it does not use compressed air. The flexible element is replaced with a "soft server" that can control the working push proportionally. There are the following advantages compared to the pneumatic working push:

- 1) Crosscutting check - the machine stores the depth of the first cut and adjusts the depth of the remaining cuts in relation to this.
- 2) The cutting tool moves in the cut much more smoothly, therefore it's possible to use higher cutting speed.

The whole machine space demand does not exceed that of a single glasscutter. The machine is equipped with a closed cooling water circuit and water consumption is about 1000 litres a month

After adjustment, even an unqualified person can operate the machine. However, adjustment of the machine and the program maintenance should be performed by a qualified person and our company is ready to provide the training for your personnel.





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