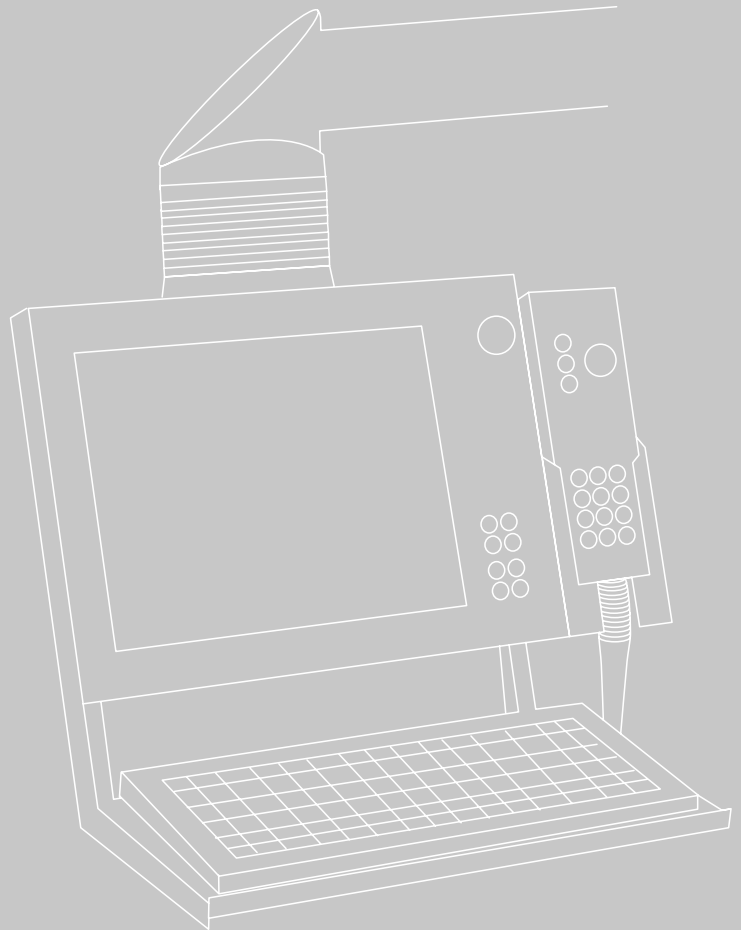


Bystronic

simplicity and
perfection in control

ByVision

Simple, user-friendly and fast control
for high-tech systems



ByVision simple – fast – reliable

The newly developed ByVision control package, with its user interface that concentrates on the essentials, is a milestone in the history of machine control systems and sets the pulse of every machine operator racing! It is not possible to control high-tech systems more simply, and the transfer of data cannot be effected more efficiently.



Focused user interface

The uncomplicated physical exterior of the user interface contrasts sharply with the features of ByVision. Behind its simple appearance there lies a high-performance control package for laser and waterjet cutting machines and an excellent platform for future technologies and applications. The compactly designed operator panel is a joy to work with because it is so easy to use. The few elements are clearly laid out and just looking at them gives you the urge to operate the laser or waterjet cutting machine.

All the functions of the control package are displayed on the 15-inch touch screen; but only those that the operator needs at the particular moment in time. The intuitive menu guidance guarantees the efficient operation of the machine. The well-known manual operating unit is integrated and can be used at any time.

With ByVision, Bystronic has set standards for user-friendliness, simplicity and reliability of handling that will be very difficult to match.

Speed of the data transfer

The new hardware and software architecture ensures the fastest possible transmission of data. For example, the most complex cutting plan can be transferred to the machine within 5 seconds. This means that the throughput times on the dynamic and fast Bystronic cutting machines are even shorter.

Most important features

NC Processor	Pentium 3, 850 MHz
Transmission rate from the CNC package to the operator panel	100 MBd
Maximum path speed	6.5 x 10 ⁶ incr/s
Average CPU usage	6%
Transmission time for large cutting plan	5 s
Operating system	Windows XP
Network	Ethernet

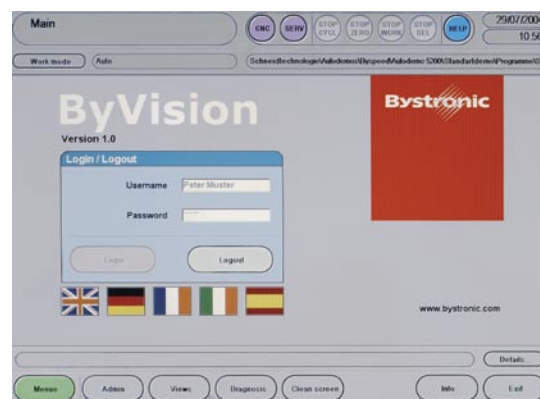


ByVision CNC hardware

- Flexible and highly dynamic
- High-performance individual components
- Ethernet permits the fastest possible transmission of data from the CNC package to the operator panel
- Increased safety for the operator; he initiates all commands himself
- A single compact box ensures the simplest of maintenance

Ease of maintenance

In addition to the speed and its excellent design, ByVision impresses through the simplicity of the maintenance. The hardware components are all contained in a single compact box, which can be exchanged as a complete unit in the shortest of times. The diagnosis and repair take place later in the Bystronic laboratories. This procedure permits machine outage times to be reduced significantly.



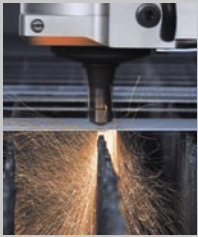
ByVision operator panel

- A simple-to-operate and sensitive 15-inch touch screen
- Compact and clearly laid-out design with just a few large push-buttons, a PC keyboard and an integrated manual operating unit
- Simple, intuitive menu guidance
- Menu language can be selected from a wide range, including Chinese
- The display screen settings can be adjusted simply and rapidly
- An ergonomic workplace design in accordance with the ISO 9241-10 standard
- Use of Windows XP as the operating system

This brochure may show parts that do not belong to the standard equipment but which are available as options. In order to permit the details of the machine to be more clearly identified, safety covers have in some cases been opened or removed. Changes to dimensions, construction and equipment are reserved.

Certified in accordance with ISO 9001

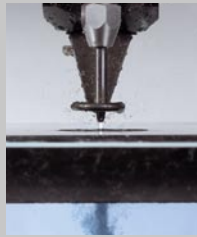
Bystronic is a worldwide active supplier of application-oriented systems and services for the laser and waterjet cutting processes, as well as bending: economical, high-performance, reliable.



Laser cutting
Laser cutting systems for the innovative processing of a wide variety of materials and geometries



Bending
3-point and air bending machines for high-precision working of sheet metals



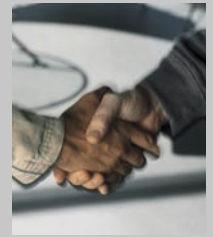
Waterjet cutting
Waterjet cutting systems for cutting metals, glass, synthetics, ceramic, and many other materials



Automation
High-performance handling and automation solutions from simple loading systems to fully automated laser production cell with integrated storage system



Software & Control
User-friendly programming and operation with requirement-oriented applications programs and interfaces to CAD and ERP systems



Service & Support
Competence and customer proximity with after-sales support available worldwide: local contact persons, prompt delivery of spare parts and professional training courses

Your contact

www.bystronic.com