:: EASY LIFE IN WORKSHOP ::

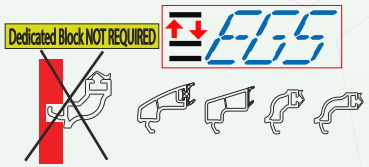
Glass Beading Saw with variable cutting angle (single bar) integrated with electronic Infeed Gripper

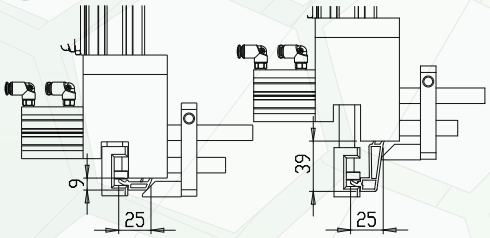
DIGIBS-IG 4.0

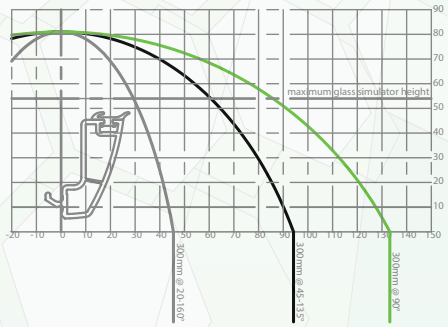
-- INTEGRATED SAW SYSTEM --

PVC

DigiBS can be configured at any time to be us
left or right







DigiBS-IG 4.0 is a system that integrates a **Bead Saw** and an electronic **Infeed Gripper** .
The saw is an "up-cut" type (blade diameter 300mm), the positioning of the rotary table (cutting angle) is managed by the numerical control and varies between 20 ° and 160 °.
The **DigiBS-IG 4.0** is specifically designed for cutting glazing beads and for this reason the DigiBS-IG4.0 includes a quick-adjusting device for the blocks. This innovative system allows you to work a wide varied range of beads **without the additional need for profile specific bead blocks**, the design of the machine also allows you to make the 'arrow cut' (typical of PVC glazing beads) by making the two cuts required in one programmed operating sequence.
The type of cut allows a very rapid cycle thanks to the reduced stroke of the blade.
The electronic Length Stop is made with sturdy aluminum profiles that integrate the carriage sliding system.
The positioning of the stop is managed by the numerical control and the measurement is verified thanks to a magnetic band system with an error of ± 0.1 mm.
This allows you to operate with exceptional precision combined with a high positioning speed.

DIGICLOUD -- EASY LIFE IN WORKSHOP -- 4.0

CLOUD SERVICE FOR OUR MACHINES

DIGIINDUSTRY 4.0

WEB BASED MACHINES SUPERVISION

- **Industrial PC 15" Touch screen** WINDOWS 10 IoT
- **Wi-Fi and Ethernet AS STANDARD**
- **DigiCLOUD** Service for a continuos data saving
- **Remote service** simplex and effictive.
- **The on-line contextual help** informs the operator about the machine controls and, in case of failures, offers a troubleshooting service guiding the operator to solve the problem with photos and electrical pneumatic diagrams directly on the screen.

: EASY LIFE IN WORKSHOP :

DigiBS-IG 4.0 is controlled by a 15" Touch Screen Industrial PC connected to PLC cards.
The Windows 10 IoT Industrial operating system combines the simplicity of the Windows environment with the stability of systems intended for production environments.
The DigiBS 4.0 control unit integrates an advanced radio interface that is able to create and manage a robust radio network in the whole workshop. All the products of the **DigiFAMILY** are able to use this network to exchange information.
Integration with the **DigiBAR 4.0** electronic gauge is the most common and easiest way to work with the DigiBS4.0: a cutting list is generated in real time on the screen during the measurement cycle.
The new color touch screen contains all the information the operator needs during the work cycle, the colored areas clearly and immediately indicate the status of the machine.

DigiBS-IG 4.0 is a CONNECTED MACHINE. Configurations, workshop data, parameters and production data are constantly saved on the new **DigiCLOUD** platform. This service allows you to minimize restart times in the event of hardware and software problems.

The software allows you to:
- Manual insertion of measurements from interface (semi-automatic)
- Automatic removal of the stop after each cut to facilitate the removal of the piece.
- Receive the cutting / clamping signal (optional) from the miter saw and display its status on the screen.
- Radio reception of the measurements from the DigiBAR electronic gauge and creation of the cutting list.
- Perform positioning cycles while receiving measurements
- Loading of the cutting list via USB memory.
- Reception from the Ethernet / Wi-Fi network of the cutting list.
- Add, delete and edit any row at any time.
- Skip from one line to another
- Manage the Head cutting
- Machine data recovery saving on DigiCLOUD platform
- Consultation / export of production data / machine status (in compliance with Industry 4.0 protocols) *

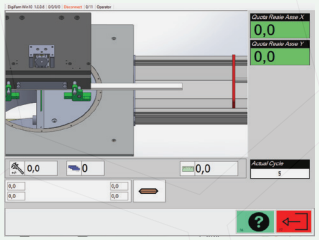
(* Requires activation and subscription)

Electronic	
Control unit (HMI)	*Indust PC. 15" Touch Screen SSD Win 10 IoT*
Radio Interfaces (DigiBAR commun.)	*Integrated*
USB for external input device / pen drive	*Integrated*
WI-FI	integrated
Ethernet	integrated

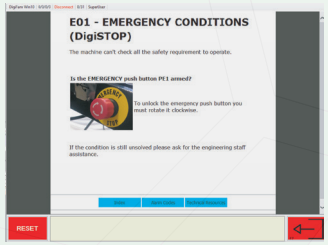
Intuitive software with use of icons and function keys

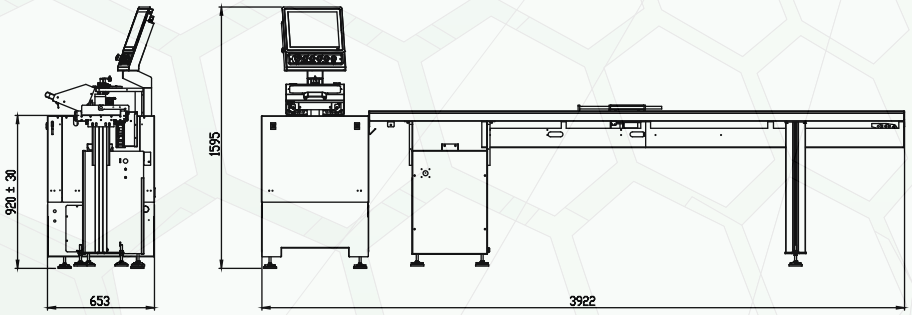
Execution of Cut Lists created with the DigiBAR gauge or received from Network / USB. For each line it is possible to view the order data, bar code, etc.

"Manual" execution of pieces



The contextual help integrates the Troubleshooting function





General Features	
Kind of cut	*Single Bar Up cut saw*
Cutting angles	*CNC controlled "arrow cut" from 20 to 160 degrees*
Blades	*D 300 mm*
Blade Motors	*Tree-phases 0.75 kW 2800 rpm*
Cutting feeding	*Pneumatic feed, speed adjustment by external knob*
Bars positioning	*Exclusive system that allows to cut any type of bead without dedicated counter blocks* *Pneumatic glass simulator with 12 presets manually selectable or Electronic Glass Simulator for an "infinite" number of profiles*
Working plane height	*920mm +/-30mm*
Minimum and maximum piece measure	*180 -3180 mm*
Weight	*300 Kg*
Power Supply	*Tree phases 400V 50/60Hz*
Carriage movement	*Stepper Motor, Magnetic encoder feedback*
Accuracy	*±0,1 mm*
Positioning speed	*50 m/min*

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