



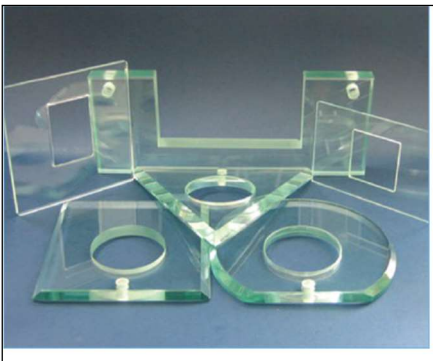
AKTAŞ GRUP MAKİNA

TCM-3700S

SERIES CUTTING MACHINES



TCM-3700-S SERIES SHAPE CUTTING MACHINE



Standard Straight and Shape Cutting Function

By aid of automatic speed and pressure adjustment gives you the perfect glass cutting for straight glass, shape glass and irregular shape glass



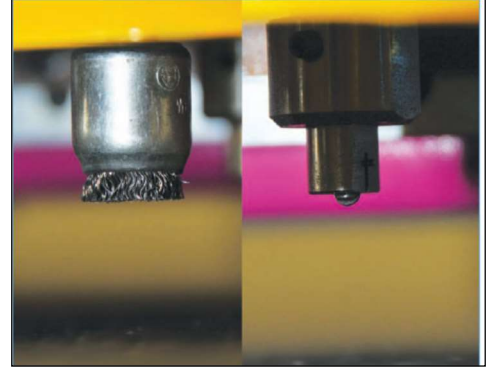
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Standard Low-E Edge Deletion Function

Integrated long life high speed brush system for Low-E Glass.
The brush system has automatic edge deletion speed for straight and shape glasses

Standard Vinyl Glass Cutting Function

Standard vinyl glass cutting function offers a maximum quality of cutting vinyl film. The system has an ability of importing .dxf files of artistic drawings or figures into the library to cut them on the machine delivering a high quality product.





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Remote Control System for Technical Purposes

The machine has remote control system for technical assistance purposes. This system provides the most advance and effective service. Remote control system allows the technician to interact and communicate with the numerical control directly from the service centre through modem to modem connection.

PC Based Control Panel

- PC based control panel with Windows 7 operating system
- User friendly and multi language user interface
- Data transfer to cutting table by Network cable, flash disk or any portable device
- Data transfer to Automatic Profile Bending Machine
- CD/DVD-Rom driver, Network Card, Wireless, 1 GB Ram, Intel Atom Processor, 300 GB Hard Disk Drive
19 Inch LCD wide screen

Mechanical Properties:

- Vibration free working and movement thanks to heavy and sturdy steel construction structure
- Excellent precision table surface for perfect glass cutting and high quality glass breaking
- Table surface made by 22 mm thick strong MDF
- Long-life and smooth cushion table surface
- All Axis has been processed by CNC machines all at one time to catch stable structure
- Long-life metal head cutting diamonds
- Precious Cutting bridge
- Mechanical positioning system to make Glass referencing
- Automatic safety system against cutting head falling off the glass
- Straight and shape glass cutting feature
- Low-E Edge Deletion system for straight and shape glass
- Automatic glass cutting speed for clear and Low-E glass
- Hi-Tech operating head with an automatic cutting pressure
- High-tech buildings with a diamond head group
- Vinyl Glass cutting feature

The optimization software includes the following modules:

- Perfect CUT Optimization Software
- Perfect LABEL Label preparing and printing software
- Perfect Shape A program for parametric shape management with ready library

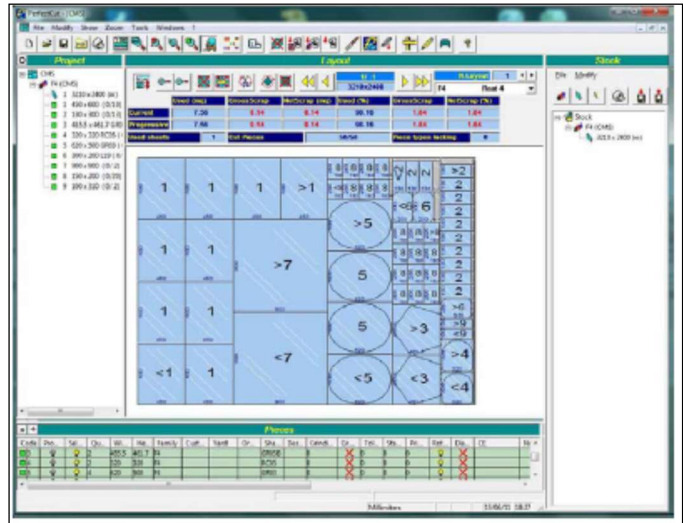


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Perfect Cut, the glass cutting optimization, enables to minimize scrap, machine working times and sectioning times. This software, which features a very high execution speed, is easy to use and designed for a fast typing of the measures. Quick switch between unit of measures (millimeters, centimeters, inches, fractional inches, foot, Taiwan inches, Taiwan foot).

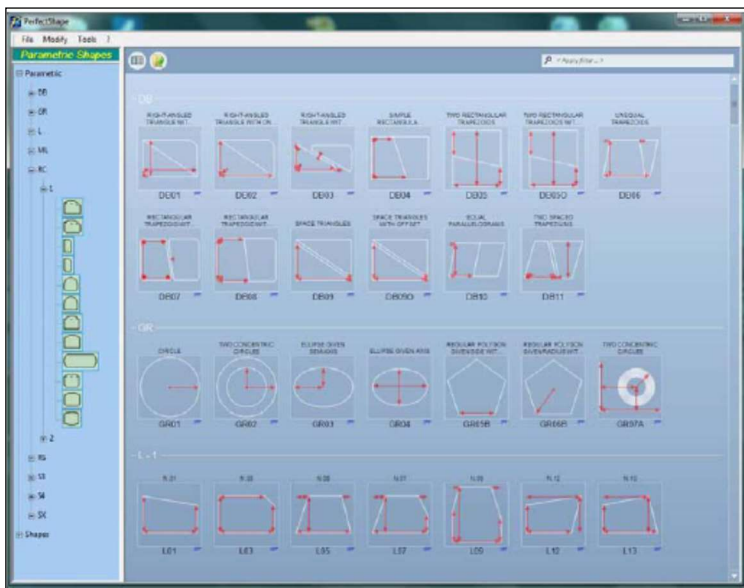
Works with an optimized processing for Low-E and staggered glass and can be interfaced towards all the cutting and bender machines.

It can include the Import/Export toward any management software.



Perfect Label is software for design and printing of custom labels. Several label models may be created, which can be used for different customers or for different type of material.

Create designs also with the company logo and barcodes. The barcode can contain any information concatenating them. Optionally there is the complete management of the CE (European Community) mark and its specific parameters.



Perfect Shape is software for the management of Parametric Shapes. The big library included and the ability to create new parametric shapes with a geometrical meta-language is potentially an infinite resource for your shape cutting.

It allows inserting breaking lines, notches, holes, grinding, coating and many other process.

But not only Parametric Shapes: PERFECT SHAPE can work also on standard DXF files and other kind of shapes allowing inserting very quickly special production works without the use of a CAD. Include a fast search for locating a shape just writing a part of his name of description.

OCX modules of PERFECT SHAPE are available in order to integrate the shape loading procedure inside any third-party management software.



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COMPONENTS USED IN MACHINE:

- MAIN BREAKER,FUSE,RELAYS : SIEMENS / GERMANY
- SERVO MOTORS : SIEMENS / GERMANY
- SERVO DRIVES : SIEMENS / GERMANY
- POWER AND ENCODER CABLES : SIEMENS / GERMANY
- I/O CAERD : SIEMENS / GERMANY
- CONTROLLER : SIEMENS / GERMANY
- LIMIT SWITCHES : SCHNEIDER / GERMANY
- 24 VOLT POWER SUPPLY : OMRON / JAPAN
- SAFETY RELAY FOR PHASE CONTROL :
- PNEUMATIC CYLINDERS : FESTO /GERMANY or SMC JAPAN
- PNEUMATIC CONNECTION : LEGRIS / GERMANY or SMC JAPAN

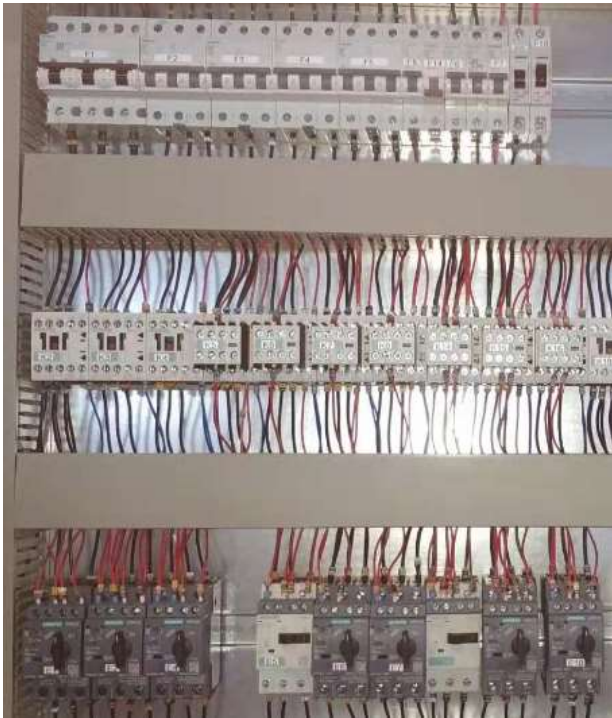
TECHNICAL SPESIFICATIONS

ÖZELLİKLER	TCM-3700-S
Max. Glass Size	3700x2550 mm
Max. Thicknees	3-19mm
Cutting speed	140 m/dak
Tolerance	+/- 0.2mm
Axis Control	Siemens Controller
Axis Movements	ATLANTA Gear Systems
Speed Adjustment	Standart
Remote Control	Standard
Spoftware	PERFECT CUT
Operating System	Windows XP
Drawing Transfer	USB or Network Cable
Cutting Tank	1 pcs
Width	3550 mm
Lenght	4650 mm
Height	950 mm
Weight	3000 kg
Air Pressure	6 bar
Air Consuption	10 lt/min
Voltage	400V 3NPE
Frequency	50 Hz / 60 Hz
Total Power	12 KW



Pictures of Machine :

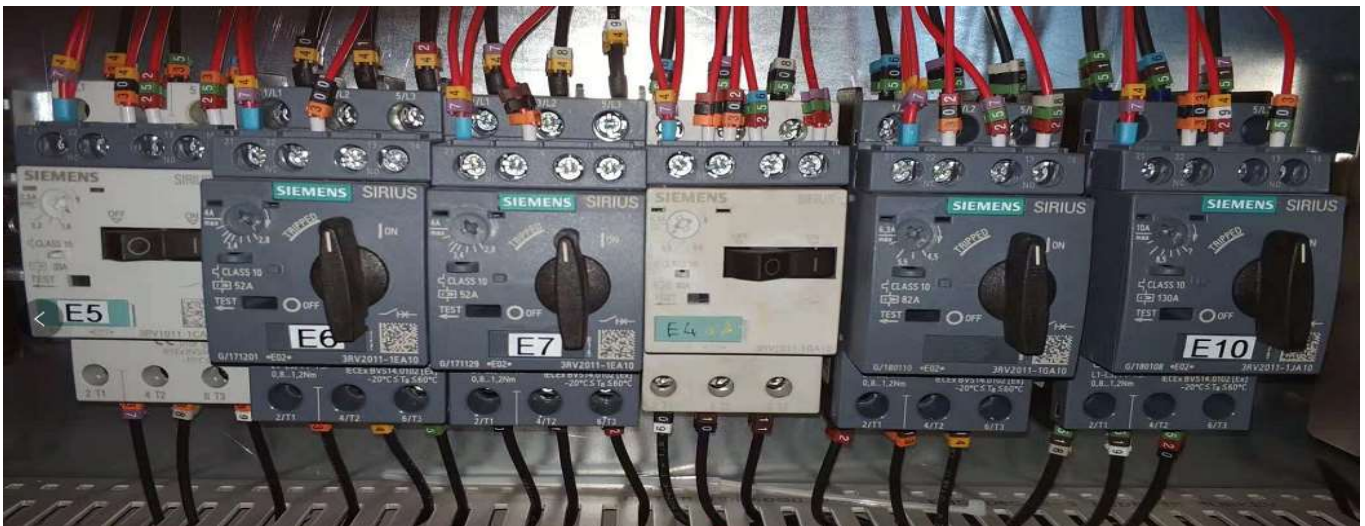
ELECTRIC COMPONENTS-SIEMENS



24 VDC POWER SUPPLY-OMRON



CONTACTORS





SERVO MOTOR DRIVES AND CONTROLLER UNIT-SIEMENS



CONTROL PANEL



CONTROL PANEL





PROPORTIONAL REGULATORS



PNEUMATIC CYLINDER



CUTTING OIL TANK



SAFETY SWITCHES



CARPET-6mm

