



**AKTAŞ GRUP MAKİNA**

**ECL-3700-S**

**Glass Cutting Line (Auto Loader + Cutting and Breaking table)**





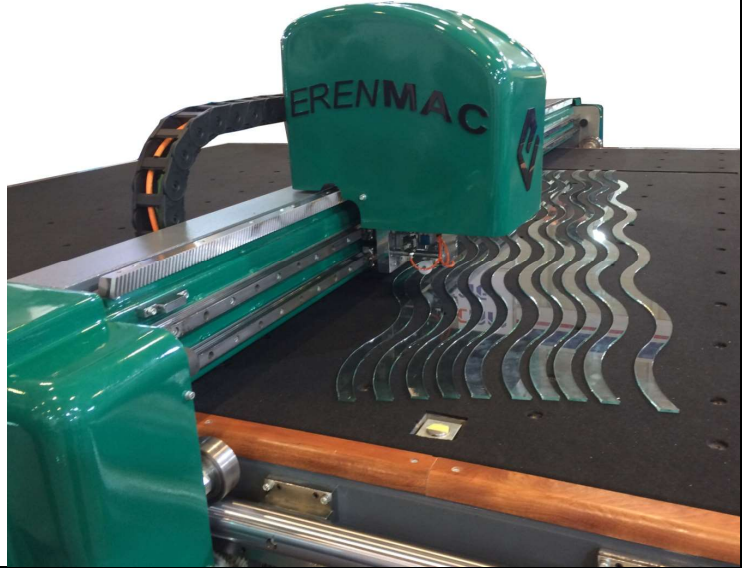
## AKTAŞ GRUP MAKİNA

TECHNICAL DATA	ECL-3700-S
Maximum Glass Size	3700 x 2550 mm
Processable Glass Thickness	2 - 19 mm
Cutting Speed	150 m/min
Low-E Grinding Speed	80 m/min
Cutting Tolerance	+/- 0.2 mm
Axis Control	Siemens Servo Controlled
Shape Cutting and Low-E Grinding	Shape + Low-E
Automatic Speed Adjustment	Standard
Electronic Alignment of Glass Sheet	Standard
Remote Control	Standard
Optimization Software	Perfect Cut Suite
Operating System	Windows
Data transfer to Cutting Table	Network Cable or USB
Width	5500 mm
Length	20500 mm
Working Height	925 mm
Total Weight	7000 kg
Air Pressure and Consumption	6 bar / 500 lt/min
Voltage	400V 3NPE
Frequency	50 Hz / 60 Hz
Total Power	10,5 KW



AKTAŞ GRUP MAKİNA

### Glass Cutting table (Belt Version)





## AKTAŞ GRUP MAKİNA

### TECHNICAL DETAILS



#### 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.

#### 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



#### 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 xp 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





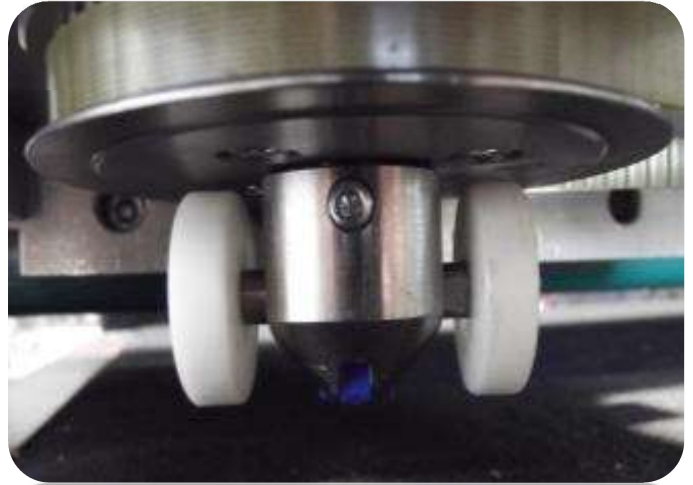
AKTAŞ GRUP MAKİNA



Siemens Control Unit



Atlanta Gear Systems

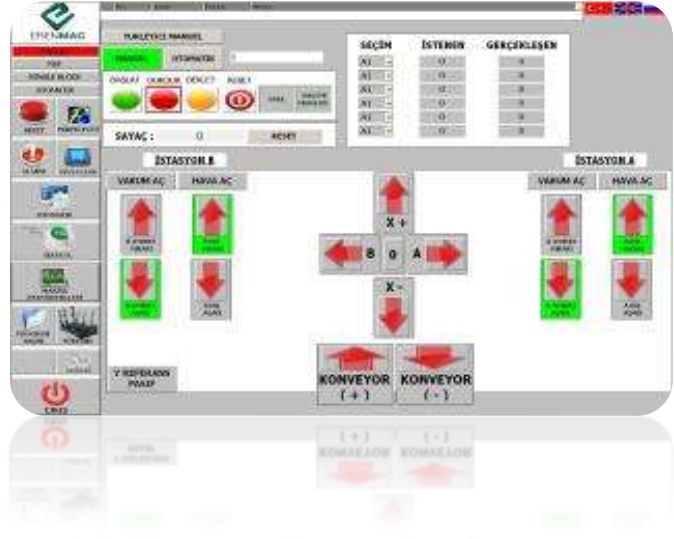




## AKTAŞ GRUP MAKİNA



Remote Control



Multilanguage Operator Panel

### 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



## AKTAŞ GRUP MAKİNA

### Main Component List of Machine :

No	Marka	Kullanım alanı	Menşei
1.		SERVO MOTORS AND DRIVERS	Germany <a href="http://www.siemens.com">www.siemens.com</a>
2.		RACK AND PINION	Germany <a href="http://www.atlantadrives.com">www.atlantadrives.com</a>
3.		PNEUMATICS	Germany <a href="http://www.festo.com">www.festo.com</a>
4.		BELTS	Germany <a href="http://www.optibelt.com">www.optibelt.com</a>
6.		SENOSORS	Germany <a href="http://www.pief.com.tr">www.pief.com.tr</a>

### The optimization software includes the following modules:

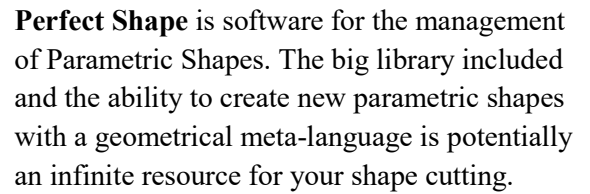
- Perfect CUT Optimization Software
- Perfect LABEL Label preparing and printing software
- Perfect Shape A program for parametric shape management with ready library



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

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.





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.

The screenshot shows the 'PerfectCut - [PerfectCut1]' window. The 'File' menu is open, and the 'Units of Measure' option is selected, which has opened a sub-menu. The sub-menu lists the following options: 'Millimeters' (which is selected with a checkmark), 'Inches', 'Taiwan inches', 'Fraction Inches', 'Centimetres', 'Standard feet', and 'Taiwan feet'. The background shows parts of the software interface, including a toolbar with various icons and a panel on the right with labels like 'Layout', 'Gross Scrap', and 'Cut Pieces'.

**Perfect Cut Suite Software is able to optimize the glass sheets in different Units of Measurements.**



## AKTAŞ GRUP MAKİNA

TECHNICAL DATA	BCM-3700-S
Maximum Glass Size	3660 x 2550 mm
Processable Glass Thickness	2 - 19 mm
Cutting Speed	<b>140 m/min</b>
Low-E Grinding Speed	80 m/min
Cutting Tolerance	<b>+/- 0.2 mm</b>
Axis Control	Siemens Servo Controlled
Shape Cutting	Standard
Automatic Speed Adjustment	Standard
Electronic Alignment of Glass Sheet	Standard
Vinyl Cutting	Standard
Remote Control	Standard
Operating System	Windows
Data transfer to Cutting Table	Network Cable or USB
Cutting Oil Tank	1 pieces
Width	3350 mm
Length	4650 mm
Working Height	950 mm
Total Weight	3500 kg
Air Consumption	50 lt/min
Total Power	10 KW



AKTAŞ GRUP MAKİNA

**GL-3700 AUTO LOADER  
3+3 STATIONS**





### GL-3700 TECHNICAL SPESIFICATIONS

SPESIFICATION	GL-3700
TOTAL WIDTH WITH RACKS	6000 mm
LENGHT	4200 mm
HEIGHT	950 mm
WEIGHT	3500 KG
GLASS THICKNESS	2 - 19 mm
GLASS SIZE	3660x2550 mm
RACK CAPACITY	700 mm
RACK QTY	3+3
TOTAL POWER	8 KW
AIR PRESSURE	6 Bar
AIR CONSUPTION	500 lt / dak
VOLTAGE	400~3P NPE Volt
FREQUENCY	50 Hz



**AKTAŞ GRUP MAKİNA**

**TBT-3700 SERIES BREAKING TABLE  
WITH HYDRAULIC TILTING FUNCTION**



**TECHNICAL SPESIFICATIONS**

	<b>TBT-3700</b>
<b>Maximum glass size</b>	3660 x 2550 mm
<b>Glass Thickness</b>	2-19 mm
<b>Blower Qty</b>	1
<b>Breaking Bars</b>	1+1
<b>Width</b>	2600 mm
<b>Lenght</b>	3800 mm
<b>Working Height</b>	950 mm
<b>Weight</b>	1750 kg
<b>Air Pressure</b>	6 bar
<b>Total Power</b>	5 KW