

Catalogue

2020



ALU / PVC

Cutting machines

windows & doors machines

Since 1972

THE COMPANY

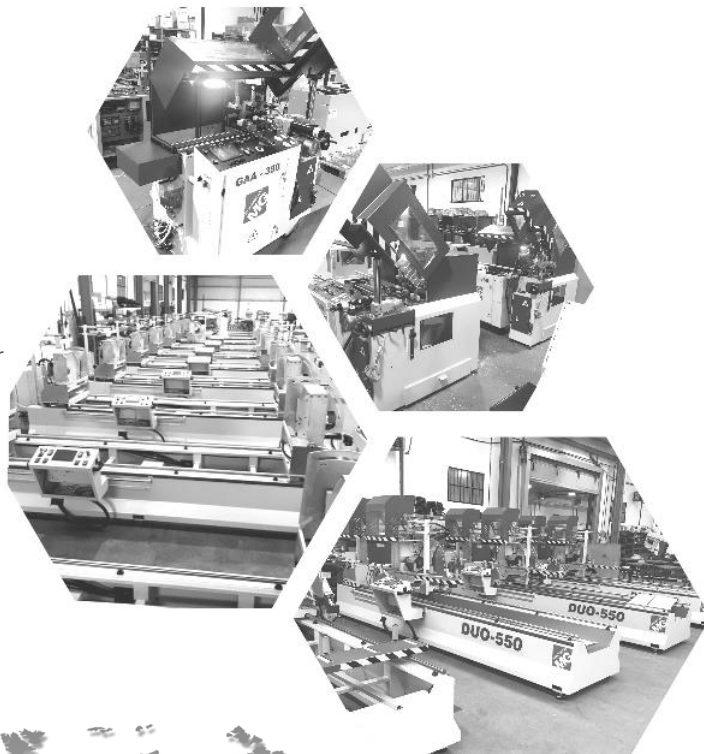
TRONZADORAS MG is a leading machinery family company established in Spain in 1972.

We supply machines and production solutions to the Windows & doors industry, and also to Aluminium companies by developing new cutting and machining systems.

We produce in Europe according to CE normatives and ISO 9001:2015 quality management.

Developing new machines, working together with customers and suppliers worldwide, listening and implementing our customer's knowledge, we are working for years to come to deliver new, advanced and quality tested machines.

Working with professionalism and honesty to match customers satisfaction and quality production.



ALUMINIUM ANGLE CUTTING

TL-302-M/SA



TL-350-SA



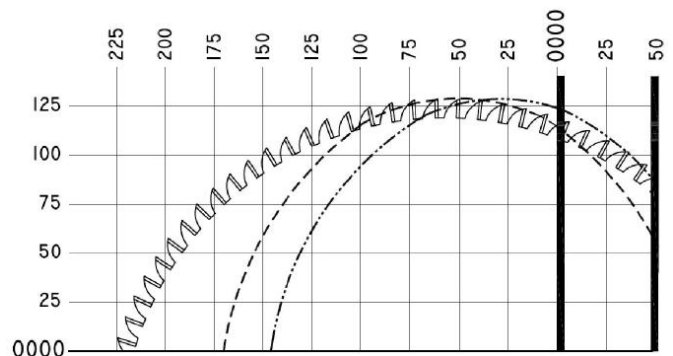
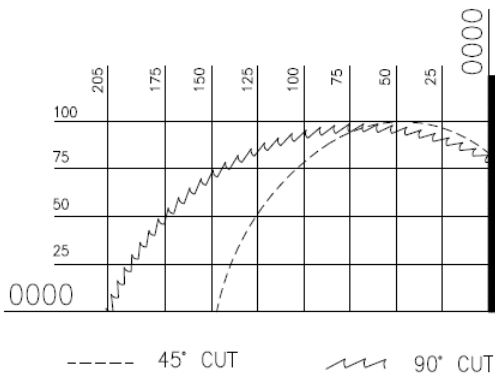
TL-350-M



- ✓PORTABLE machine
- ✓Miter cutting -45°/90°/45°

	TL-302-M / SA
Blade Dimensions	300 Ø mm
Motor	2,0 HP (1,5 Kw)
Motor speed	3000 rpm
Working height	950 mm
Cutting degrees	-22,5°/-45°/90°/45°/22,5°/-0°
Weight of the machine	60 kg
Dimensions	500x700x900 mm

	TL-350-M / SA
Blade Dimensions	350 Ø mm
Motor	2,0 HP (1,5 Kw)
Motor speed	3000 rpm
Working height	970 mm
Cutting degrees	-22,5°/-45°/90°/45°/22,5°/-0°
Weight of the machine	68 kg
Dimensions	480x780x850 mm



ALUMINIUM ANGLE CUTTING

TLG-352-M



TLG-352-SA

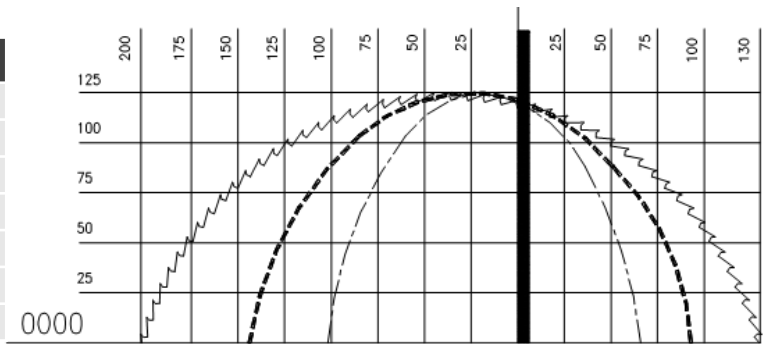


TLG-352-A



✓Cutting from $-22,5^{\circ}/90^{\circ}$ /to $+0^{\circ}$

	TLG-352-M / SA / A
Blade Dimensions	350 Ø mm
Motor	2 HP (1,5 Kw)
Motor speed	3000 rpm
Working height	970 mm
Cutting degrees	$-22,5^{\circ}/-45^{\circ}/90^{\circ}/45^{\circ}/22,5^{\circ}/-0^{\circ}$
Weight of the machine	180 kg
Dimensions	870x710x1435 mm



ALUMINIUM ANGLE CUTTING

TL-400-A



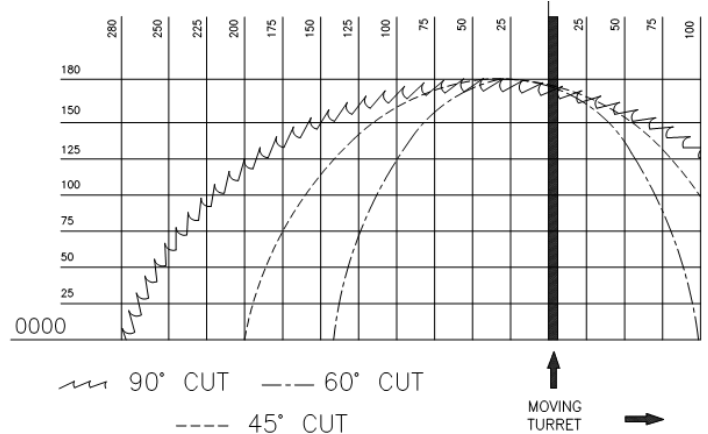
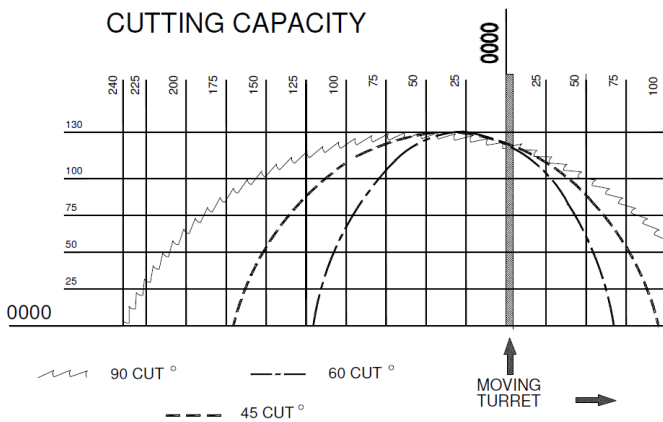
TL-500-A



	TL-400-A
Blade Dimensions	400 Ø mm
Motor	3 HP (2,2 Kw)
Motor speed	3000 rpm
Working height	970 mm
Cutting degrees	-22,5°/-45°/90°/45°/22,5°
Weight of the machine	380 kg
Dimensions	900x1000x1480 mm

	TL-500-A
Blade Dimensions	500 Ø mm
Motor	4 HP (3 Kw)
Motor speed	3000 rpm
Working height	970 mm
Cutting degrees	-22,5°/-45°/90°/45°/22,5°
Weight of the machine	430 kg
Dimensions	1200x1300x1500 mm

CUTTING CAPACITY



ALUMINIUM ANGLE CUTTING

TL-600-A



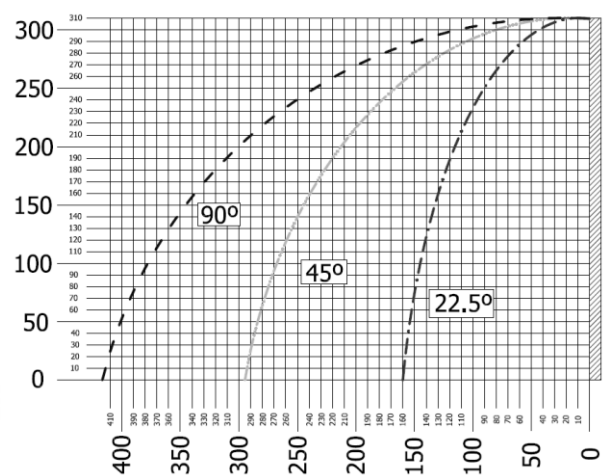
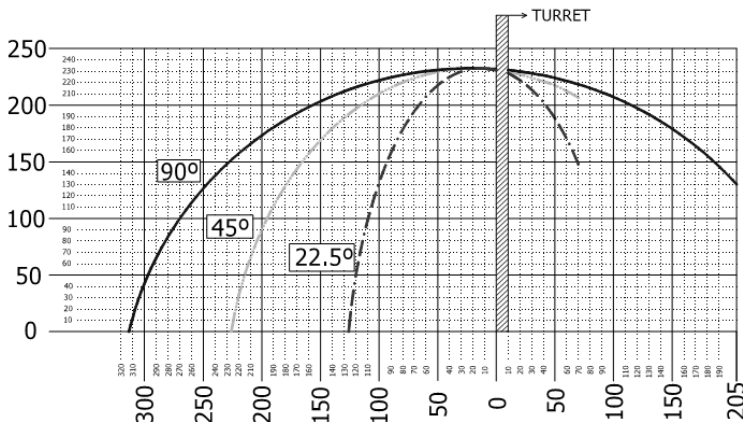
TL-800-A



*OPTIONAL 7,3 HP (5,5 Kw)

	TL-600-A
Blade Dimensions	600 Ø mm
Motor	4 HP (3 Kw)
Motor speed	3000 rpm
Working height	970 mm
Cutting degrees	-22,5°/-45°/90°/45°/22,5°
Weight of the machine	550 kg
Dimensions	1300x1220x1635 mm

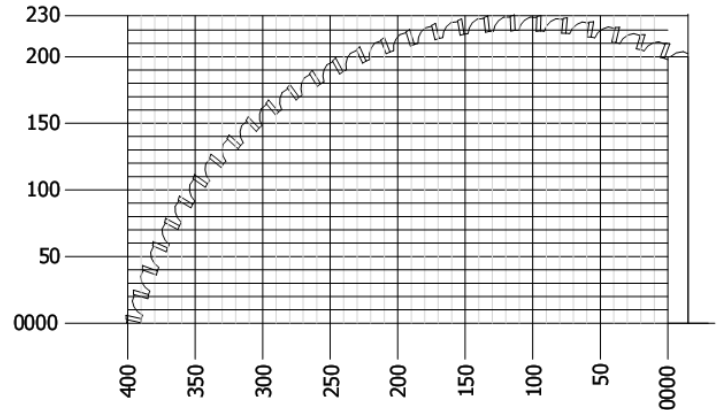
	TL-800-A
Blade Dimensions	800 Ø mm
Motor	10 HP (7,5 Kw)
Motor speed	3000 rpm
Working height	970 mm
Cutting degrees	-22,5°/-45°/90°/45°/22,5°
Weight of the machine	840 kg
Dimensions	1800x1500x1780 mm



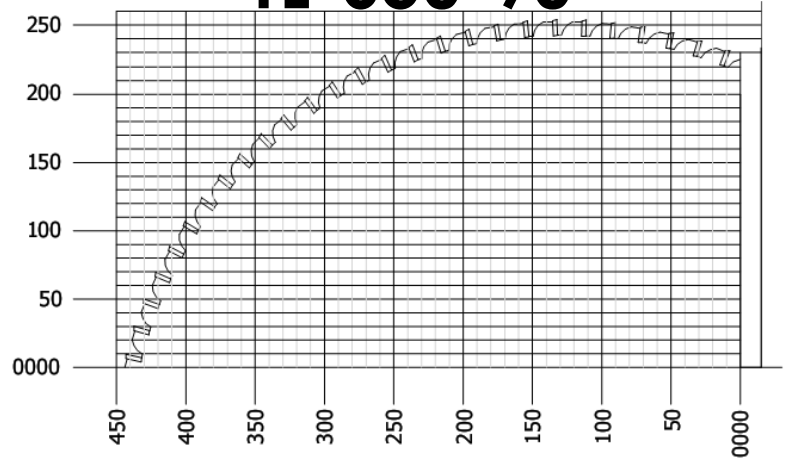
ALUMINIUM 90° CUTTING



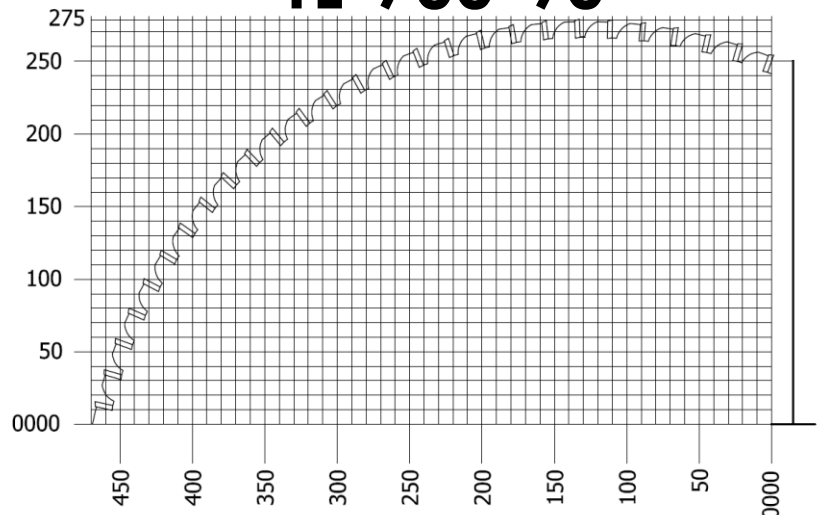
TL-600-90



TL-650-90



TL-700-90



	TL-600-90
Blade Dimensions	600 Ø mm
Motor	5,5 HP (4,0 Kw)
Motor speed	3000 rpm
Cutting degrees	90°
Weight of the machine	450 kg

	TL-650-90
Blade Dimensions	650 Ø mm
Motor	7,5 HP (5,6 Kw)
Motor speed	3000 rpm
Cutting degrees	90°
Weight of the machine	500 kg

*OPTIONAL 10 HP (7,5 Kw)

	TL-700-90
Blade Dimensions	700 Ø mm
Motor	7,5 HP (5,6 Kw)
Motor speed	3000 rpm
Cutting degrees	90°
Weight of the machine	550 kg

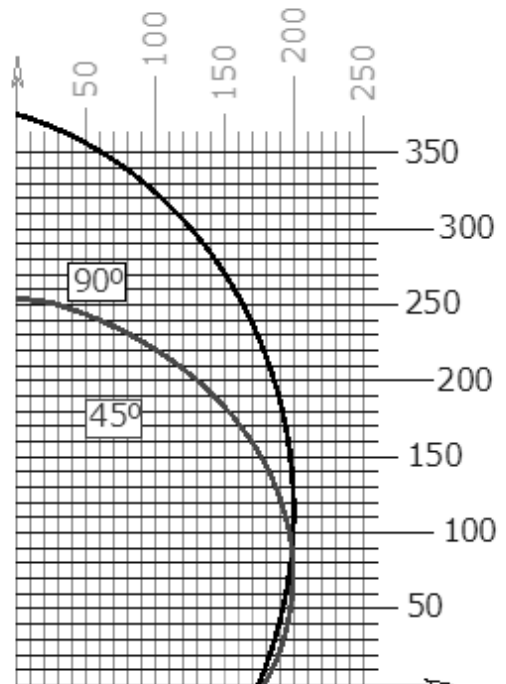
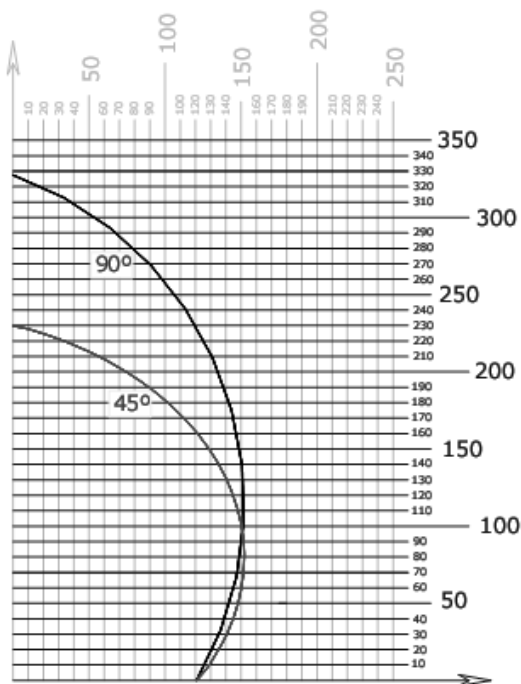
*OPTIONAL 10 HP (7,5 Kw)

DUO-450 / DUO-550



- ✓Cutting -45° / 90° / +45 ° both blades
- ✓USB Input

	DUO-450		DUO-550
<i>Blade Dimensions</i>	450 Ø mm	<i>Blade Dimensions</i>	550 Ø mm
<i>Cutting degrees</i>	-45° / 90° / 45°	<i>Cutting degrees</i>	-45° / 90° / 45°
<i>Weight of the machine</i>	1400 kg	<i>Weight of the machine</i>	1600 kg
<i>Dimensions</i>	5400x1600x1620 mm	<i>Dimensions</i>	5400x1700x1700 mm



DUO-550 -XE

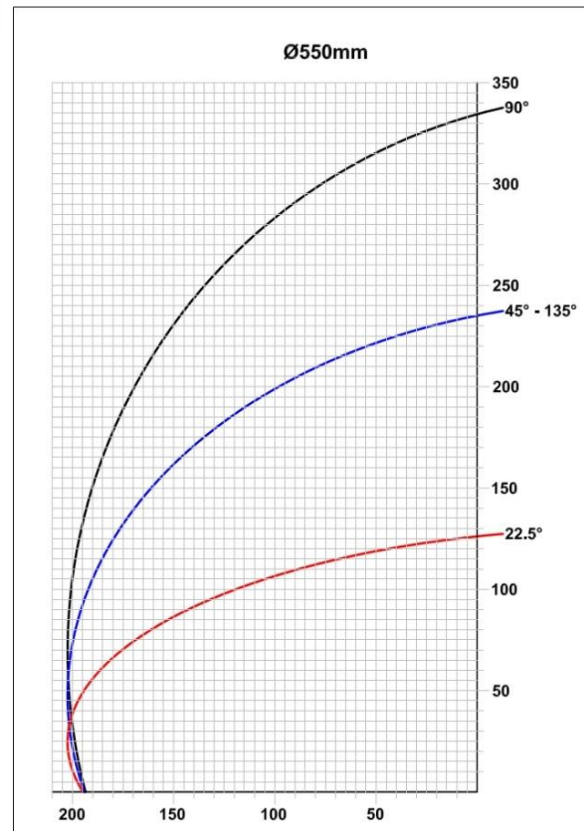


✓Cutting from
-22,5° / -45° / 90°
both blades

	DUO-550 XE
Blade Dimensions	550 Ø mm
Cutting degrees	-22,5° / -45° / 90°
Weight of the machine	1500 kg
Dimensions	5400x1700x1700 mm

✓Options:

- 1) -22,5° / -45° / 90° / 135° pneumatic
- 2) -22,5° / -45° / 90° / 135° servo
- 3) 5 meter lenght



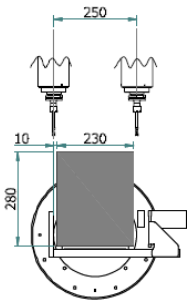
MG-3300/4

4axis machining center

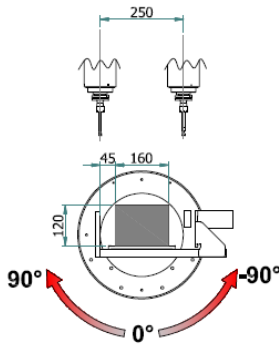


4axis machining center
5,5 Kw HITECO spindle 18000rpm
 5mm Aluminium / 3mm Steel

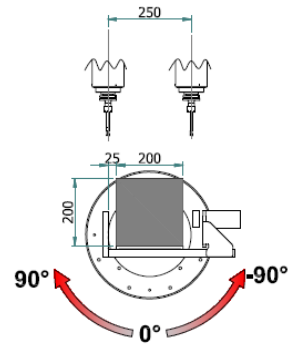
X4 pneumatic clamping
 4 tools magazine (option 8)
 HICAM3 CAD/CAM 3D design



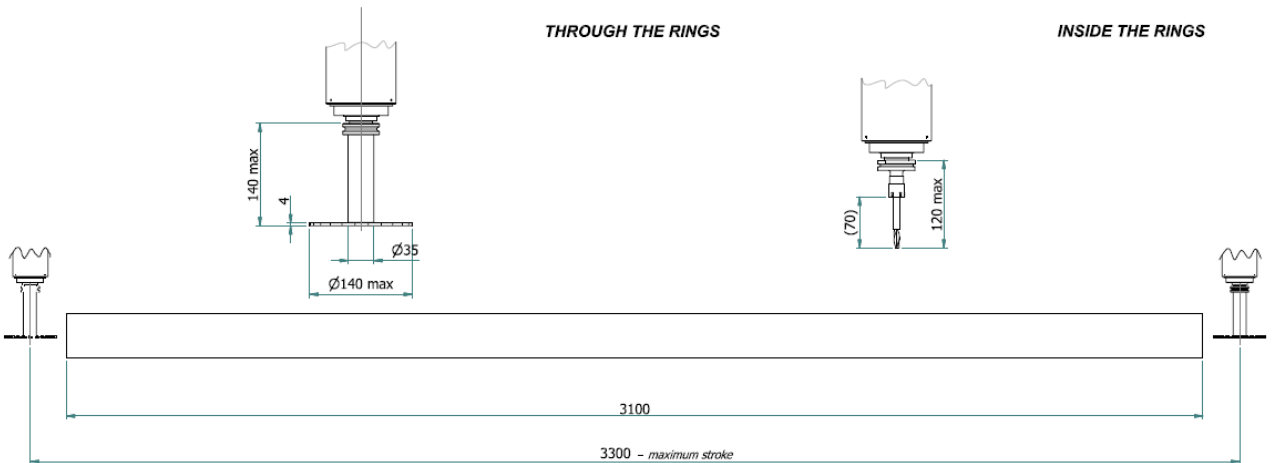
ONLY AT 0° INSIDE THE RINGS



THROUGH THE RINGS



INSIDE THE RINGS



MG-3300/4

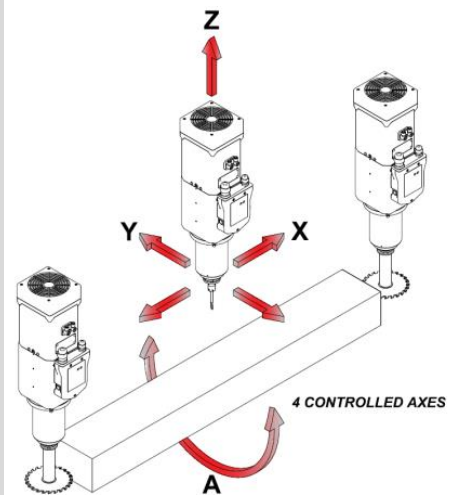
4axis machining center

FEATURES

- Possibility to work aluminum, PVC, steel up to 5 mm and stainless steel up to 3 mm with accessory
- Axis movement and clamps rails with recirculating ballscrew and servodrive
- Motion rotated clamp base by rail and wheels
- Numerically controlled axes with 4 brushless motors
- Transmission axis with tilted teeth rack and pinion
- Start cycle with two-handed safety device
- 4 pneumatic horizontal pneumatic clamps with low pressure device
- Mist lubrication
- Tool magazine ISO30
- Automatic tool change with station for 4 tools (optionally 8 tools)
- 5,5 Kw Spindle motor driven by inverter
- USB 2.0 port on the control panel and ethernet RJ45 socket
- Preinstalled barcode reader connection
- NC - Industrial PC with Intel microprocessor
- LCD display - TFT (800 x 600) color 10.4 "
- Operating system Windows XP Embedded RT
- HICAM 3 Software- 3D dimensional

TECHNICAL DATA

Power (3 phase+neutral)	380/400-50/60	Volt / Hz
Spindle motor	5.5	Kw
Spindle speed range	2000...18000	rpm
Axis positioning range X-Y-Z	3300 -250-200mm	
Axis positioning speed X- Y-Z	65-25-25	m/min
Tilt axis adjustable clamp	-90°...+90°	°
Axis time rotation from 0 .. 90 °	2	Sec
Axis positioning tolerance	3 +/- 0.1	mm
Clamping capacity (bxh)	160x120	mm
Max. milling blade diameter	140	mm
Weight	1550	Kg



OPTIONS

- Automatic vice clamping positioning
- Tooling Station for 4 tools (right side)
- Barcode reader with wire and software
- Tunnel torque L = 500 Top
- Cover complete with windows and two mouths D.100 fume Extraction License
- HICAM license USB for PC (not used simultaneously with the machine)
- Additional license CAD / CAM three-dimensional HICAM 3 with USB
- Connectivity to ORGADATA, FENETECH, OPERA, *.ncw, *.cms, *.ecw, *.ncx

GAA-350 CNC

✓Optional: drilling unit

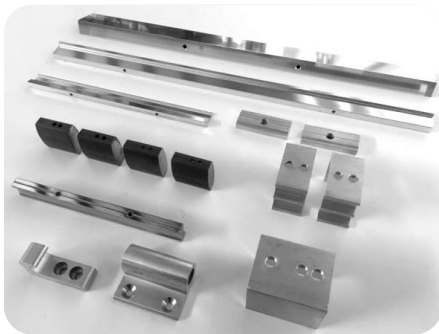


*Picture corresponds to GAA-350-90 TR12 CNC sawing machine with drill/tap unit

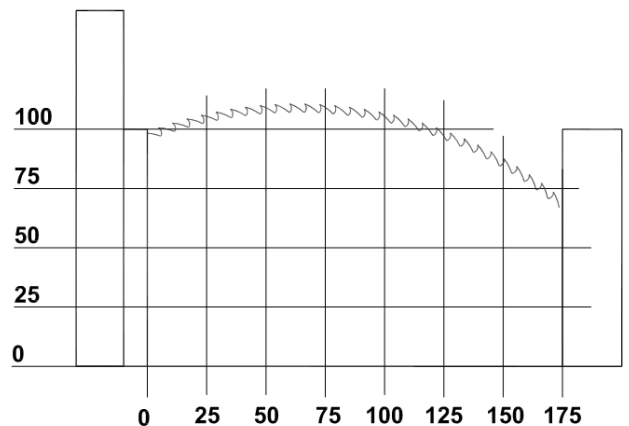
GAA-350-90



✓CNC version with servo motor and touch screen panel
 ✓PRODUCT LIBRARY + CUTTING LIST



	GAA-350-90 / CNC
Blade Dimensions	350 Ø mm
Motor	2,5 HP (1,8Kw)
Motor speed	3000 rpm
Feeder lenght	300 mm / 700mm CNC
Cutting degrees	90°
Weight of the machine	260 Kg / 320 Kg



GAA-500-90

✓Optional: drilling unit

✓CNC version with servo motor and touch screen panel

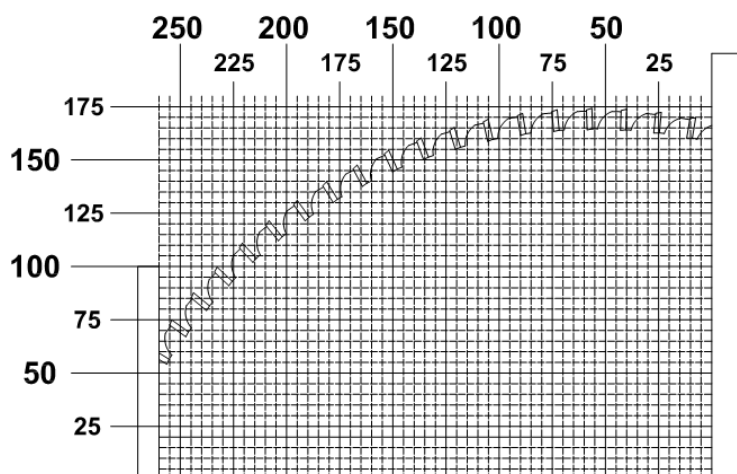
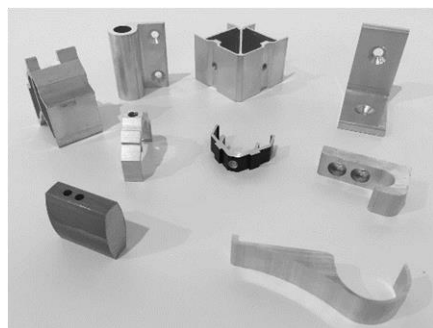
✓PRODUCT LIBRARY + CUTTING LIST

GAA-500 CNC



	GAA-500-90 /CNC
Blade Dimensions	500 Ø mm
Motor	4 HP
Motor speed	40/80 mt/min
Feeder lenght	500 mm / 700 mm
Cutting degrees	90°
Weight of the machine	450 kg / 520 Kg

*Picture corresponds to GAA-500-90 TR20 CNC sawing machine with drill/tap unit



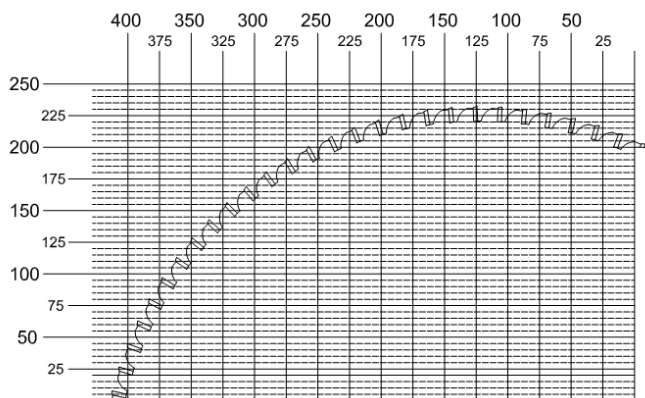
GAA-600-90 CNC GAA-650-90 CNC

✓Optional: drill/tap unit

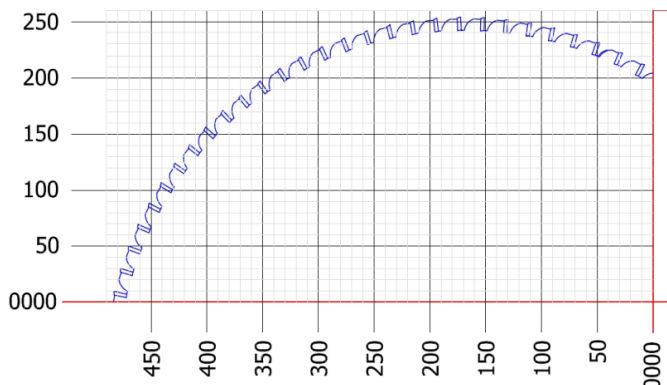
✓CNC version with servo motor and touch screen panel
✓PRODUCT LIBRARY + CUTTING LIST



	GAA-600-90 / CNC
Blade Dimensions	600 Ø mm
Motor	5,5 HP (4 Kw)
Motor speed	3000 rpm
Feeder lenght	500 mm /700mm servo
Cutting degrees	90°
Weight of the machine	675 kg
Dimensions	1500x950x1850 mm

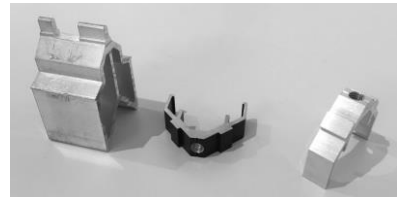


	GAA-650-90 / CNC
Blade Dimensions	650 Ø mm
Motor	7,5 HP (5,5 Kw)
Motor speed	3000 rpm
Feeder lenght	500 mm /700mm servo
Cutting degrees	90°
Weight of the machine	675 kg
Dimensions	1500x950x1850 mm



ALUMINUM 90° AUTOMATIC CUTTING / & DRILLING

GAA CNC / SPECIAL



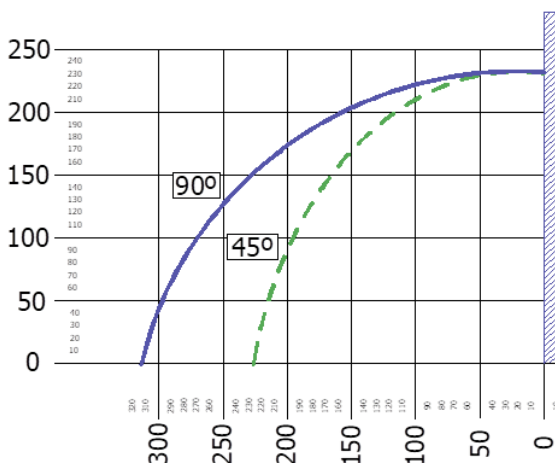
TL-600 AAG CNC

✓Fully Automatic miter cutting machine

✓SERVO DRIVE turning from -45° / 90° / 45

✓Automatic feeding + Automatic miter cutting

✓Programmable cutting list



✓ Automatic miter cutting machine for aluminium profiles

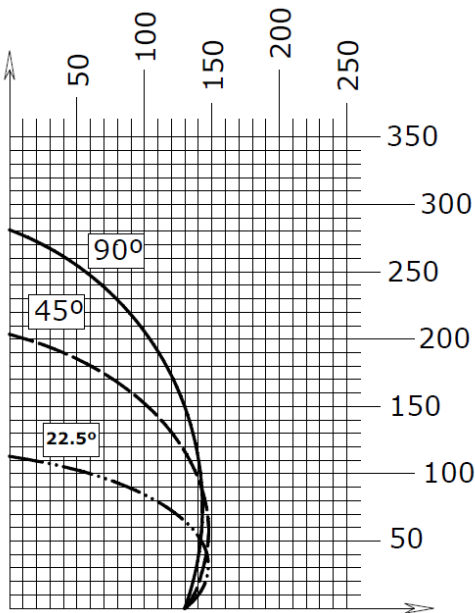
✓ Servo driven table turning and servo feeding

ALUMINIUM AUTOMATIC ANGLE CUTTING MACHINE AND FEEDING ADAPTABLE SYSTEM

FRONT-450 AAG CNC

✓Fully Automatic miter cutting machine

- ✓Pneumatic turning $-22.5^\circ / -45^\circ / 90^\circ / 45^\circ$
- ✓Automatic feeding + Automatic miter cutting
- ✓Programmable cutting list



PUSHER AUTOPOS



✓ The Pusher Autopos can be installed in any TL cutting machine model to convert it in a fully automatic cutting machine

✓Lengths from 1,5 to 8 meters

✓Programmable cutting list

TM-3



E-3



TMDG-3



✓INPUT & OUTPUT roller conveyors with estándar dimensions of 3/4/6 meters.

✓Pneumatic clamping versions TN/TNDG



AUTOPOS

✓ Motorized Positioning system
✓20 cutting list lines



AUTOPOS + USB

✓ USB data:
EXCEL, TXT, CSV



V460 / V570

✓High efficiency
vacuum cleaner
for ALU and PVC
chips

	V-460 1.5 1200
Motor	2 HP
Sound level	64 dB
Inlet Diameters	120 mm
Suction capacity	1200 m ³ /h
Storage Capacity	100 m ³
Inlets	x1

	V-570 2.2 1400
Motor	3 HP
Sound level	64 dB
Inlet Diameters	120 mm
Suction capacity	1400 m ³ /h
Storage Capacity	160 m ³
Inlets	x2

	V-570 3 2500
Motor	4 HP
Sound level	64 Db
Inlet Diameters	160 mm
Suction capacity	2500 m ³ /h
Storage Capacity	160 m ³
Inlets	x2



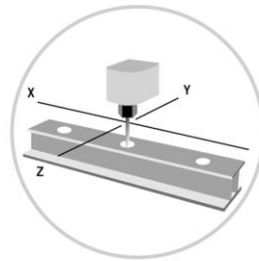
✓Options: floor
cleaning kit



C-452-M



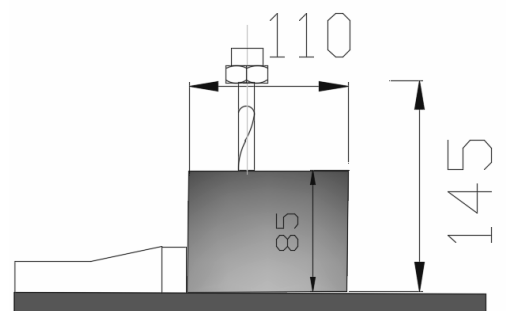
C-452-SA



✓Frontal Pattern for easy change and guide

5∅ / 8∅

	C-452-M / SA
Desk Size	450 x 230 mm
Longitudinal course	230 mm
Transversal course	110 mm
Vertical displacement	145 mm
Motor	0,5 HP
Cutting speed	9600 rpm
Diameter milling cutter	8 mm
Weight	120 Kg

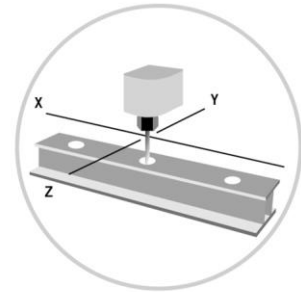


C-500-A

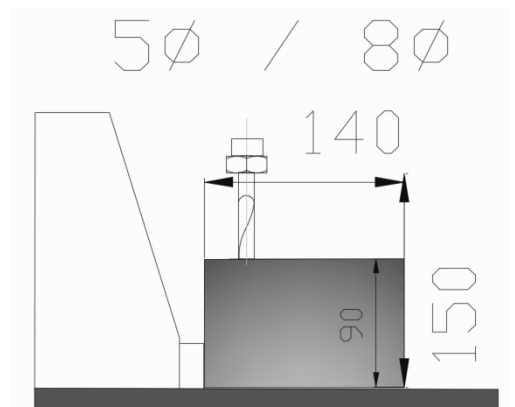


✓C-500-AH
version with
Speed inverter
to mill steel
Up to 3mm

- ✓Copy router machine
- ✓Milling steel up to 3mm thickness
- ✓Back twin pin pattern

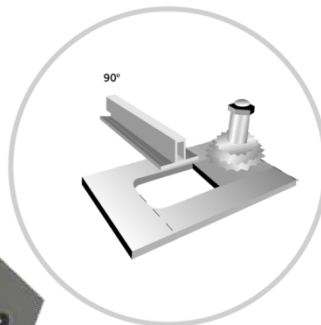


	C-500-A	C-500-AH
Desk Size	500 x 280 mm	500 x 280 mm
Longitudinal course	260 mm	260 mm
Transversal course	140 mm	140 mm
Vertical displacement	150 mm	150 mm
Motor	2 HP	2 HP
Cutting speed	9000 rpm	2000-7000 rpm
Diameter milling cutter	8 mm	8 mm
Weight	150 Kg	150 Kg



MINI RAFRE-M

MINI RAFRE-SA



✓ PORTABLE END MILLING MACHINE

	MINI RAFRE –M / SA
Motor	2,75 HP
Motor speed	3000 rpm
Motor shaft	27 mm
Milling cutter inner Ø	32 mm
Milling cutters max Ø	120 mm
Course	200 mm
Dimensions	410x400x330 mm
Weight	48 Kg



RAFRE-CR M



RAFRE-CR SA / A

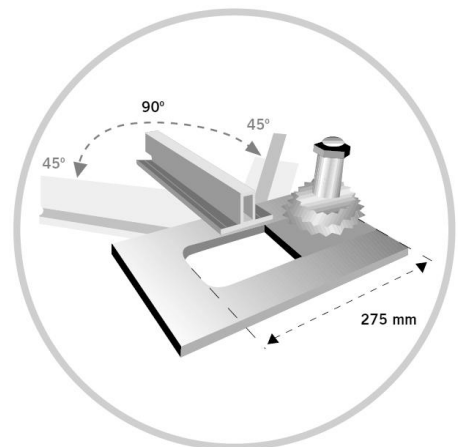


✓ WORKSHOP END MILLING MACHINE

- ✓ MANUAL CLAMP
- ✓ MANUAL LUBRIFICATION
- ✓ MANUAL ADVANCE OF MILLING TOOLS

- ✓ PNEUMATIC CLAMP
- ✓ PNEUMATIC LUBRIFICATION
- ✓ MANUAL/PNEUMATIC ADVANCE OF MILLING TOOLS

	MINI RAFRE -M / SA / A
Motor	2,75 HP
Motor speed	3000 rpm
Motor shaft	27 mm
Milling cutter inner Ø	32 mm
Milling cutters max Ø	140 mm
Course	275 mm
Dimensions	630x515 mm
Weight	150 Kg



P-3000-G

3 Tn



✓PUNCHING MACHINE FOR
ALUMINIUM PROFILES

P-3300-G

3,3 Tn



	P-3000-G	P-3300-G
<i>Max pressure</i>	3000 Kg at 8 ATM	3300 Kg at 8 ATM
<i>Pneumatic pressure</i>	6-8 ATM	6-8 ATM
<i>Light</i>	260 mm	250 mm
<i>Course</i>	35 mm	20-80 mm
<i>Pin speed</i>	23 mm/seg	35 mm/seg
<i>Average air consume x cycle</i>	25 l	35 l
<i>Desk</i>	530 x340 mm	375x230 mm
<i>Height</i>	260 mm	250 mm
<i>Ø of the cylinder</i>	45 mm	45 mm
<i>Weight</i>	75 Kg	60 Kg

P-4000-G



4 Tn

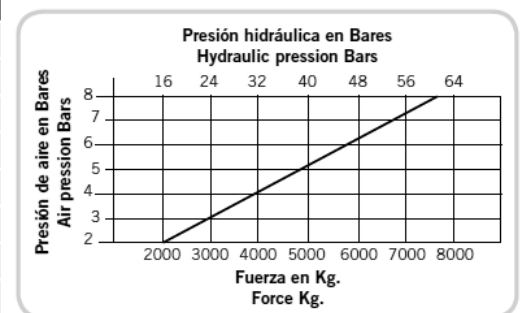
P-8000-G



8 Tn

✓PUNCHING MACHINE FOR
ALUMINIUM PROFILES

	P-4000-G	P-8000-G
Max pressure	4000 Kg at 8 ATM	8000 Kg at 8 ATM
Pneumatic pressure	6-8 ATM	6-8 ATM
Light	250 mm	250 mm
Course	0-50 mm	0-50 mm
Pin speed	32 mm/seg	32 mm/seg
Average air consume x cycle	32 l	32 l
Desk	375 x235 mm	440x260 mm
Ø of the cylinder	45 mm	125 mm
Weight	130 Kg	150 Kg



B-4000-L



- ✓Flat Assembly table
- ✓Extensible

	B-4000-L	B-4000-HV
<i>Dimensions</i>	4000x2000 mm	4000x2000 mm
<i>Weight</i>	162 Kg	230 Kg

B-4000-HV

- ✓Pneumatic cylinders to lift the table



L-110



✓Pneumatic Corner
Crimping machine

	L-110
<i>Max. Crimping force</i>	3500 Kgp
<i>Knives max. stroke</i>	10,5 mm
<i>Bracing clamp stroke</i>	80 mm
<i>Max crimping height</i>	120 mm
<i>Operating crimping regulation</i>	30 to 60 mm
<i>Pneumatic nominal pressure</i>	7 Bar
<i>Weight</i>	300 Kg





TRONZADORAS MG
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