



Machine Brochure

Dewey Glass Processing | *Eagle Machines* Aluminium Processing | *Waterjet SA*



NATIONAL GLASS
DISTRIBUTION

Version 1.2

National Glass Distribution has the sole rights to distribute **Deway** glass processing, **Eagle Machines** aluminium processing and **Waterjet SA** cutting machinery.



Deway Glass Processing

Excellent product knowledge combined with comprehensive after sales service has established the **Deway** brand within the glass processing industry, the product range includes:

- Glass Straight Line Edging Machine (9 Wheels)
- Glass Straight Line Edging Machine (4 Wheels)
- Glass Drilling Machine
- Glass Vertical Washing Machine
- Glass Horizontal Washing Machine



EAGLE MACHINES

Aluminium Processing Equipment

Great value for money and an extensive product range have allowed **Eagle Machines** to experience rapid growth in the South African market, the product range includes:

- Single Mitre Saw
- Double Mitre Saw
- End Router (A) Manual
- End Router (B) Pneumatic
- Single Axis Copying Router
- Double Axis Copying Router
- Single Point Crimping Machine (Hydraulic | Pneumatic)



For high precision and low running cost, a **Waterjet SA** cutter is capable of cutting a variety of durable materials.

- Waterjet Cutting Machine





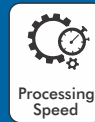
Workable Dimension



Max Arris Angle



Glass Thickness



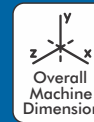
Processing Speed



Operation Function



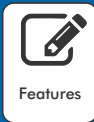
Power



Overall Machine Dimension



Weight



Features

Glass Straight Line Edging Machine 9 Wheels (DZM9)

	Minimum 120 x 120mm	Maximum 5mm <small>Arris the straight edge to the angle of 45°</small>	3 - 28mm Max Length: 2400mm	1 - 5m/min <small>Variable speed setting for efficiency and quality.</small>	9 wheels <small>Both flat edge & arris simultaneously completed in 1 pass.</small>	18.5kW 3 Phase	6900 x 1200 x2500mm	2750kg	<ul style="list-style-type: none"> Machine and bright polishing flat glass of different sizes and thickness Both flat edge & arris simultaneously completed in 1 pass Assembly required on site
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Glass Straight Line Edging Machine 4 Wheels (DZM4)

	Minimum 120 x 120mm	Maximum 5mm <small>Arris the straight edge to the angle of 45°</small>	3-28mm Max Length: 2400mm	1 - 5m/min <small>Variable speed setting for efficiency and quality.</small>	4 wheels	9kW 3 Phase	4800 x 1200 x 1800mm	1600kg	<ul style="list-style-type: none"> Machine polishing flat glass of different sizes and thickness. Both flat edge & arris simultaneously completed in 1 pass. Assembly required on site
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Glass Vertical Washing Machine (DLQX20LE)

	Minimum 500 x 300mm	2000mm x 2500mm	3 - 19mm <small>Glass thickness can be adjusted automatically.</small>	2 - 7m/min	2 brushes Low E	18.5kW 3 Phase	7500 x 2000 x 3200mm	4500kg	<ul style="list-style-type: none"> Full stainless steel body High performance and high speed for glass, with 2 pairs brushes and 3 water sprayers Low E compatible Assembly required on site
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Glass Horizontal Washing Machine (DQX25LE)

	Minimum 400 x 400mm	2500mm	3 - 25mm	0.75 - 7m/min <small>Convey speed can be adjusted by stepless regulator,</small>	3 brushes Low E	28kW 3 Phase	5500 x 3500 x 2840mm	3000kg	<ul style="list-style-type: none"> Glass washing & drying machine used for cleaning and air-drying of flat glass sheets Assembly required on site Low E compatible
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Glass Drilling Machine (DZJ13)

	1345mm	4 - 70mm <small>Different size holes can be achieved due to wide range of habit drill bits.</small>	3 - 19mm Max Length: 2m x 2m	N/A	1000mm <small>Practical to load and unload glass due to low working table.</small>	4kW 3 Phase	2500 x 2200 x 1600mm	1000kg	<ul style="list-style-type: none"> Uses hydraulic pressure to control the bottom-drill bit, to drill thinner glass Drill laminated glass Assembly required on site
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Power Supply



Air Pressure



Air Consumption



Input Power



Operation Function



Cutting Profile



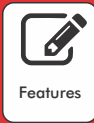
Saw Blade Equipped



Overall Machine Dimension



Weight



Features

Single Mitre Saw (LJD-01)

	380V/50Hz 3 Phase	0.4 - 0.6(Mpa)	50L/min	1.1kW	Angle: -50°, 90°, 50°	Height: 100mm Locating Length 0 - 3500mm	D350 x B4 x d30 x Z108	4800 x 500 x 1200mm	260kg	<ul style="list-style-type: none"> Used for 45 to 90 to -45 degree aluminium cutting and mitering. Infeed / outfeed tables provided. Max cutting height:100mm, width 180mm Assembly required on site
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Double Mitre Saw (LJZ2-45x3800)

	380V/50Hz 3 Phase	0.4 - 0.6(Mpa)	210L/min	3.55kW	Angle: -135°, 90°, 45°	Height: 200mm Width: 120mm Cut Length: 450-3800mm	D450 x B4 x d30 x Z120	4800 x 1300 x 1450mm	1500kg	<ul style="list-style-type: none"> Used for cutting Aluminium and PVC profiles The right head can be adjusted horizontally by motor, two heads work independently or together Reliable DRO (digital read out) measurement display
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Corner Connector Saw (LJM-500)

	380V/50Hz 3 Phase	0.5 - 0.8(Mpa)	150L/min	2.2kW	Angle: 90°	120mm Auto Feed Length: 3 - 400mm	D500 x B4.4 x d30 x Z120	2000 x 1600 x 1400mm	550kg	<ul style="list-style-type: none"> Used for cutting aluminium connectors. High automation, reliability & efficiency. Assembly required on site
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Glazing Bead Mitre Saw (SYJW-1800)

	380V/50Hz 3 Phase	0.4 - 0.6(Mpa)	80L/min	1.5kW	Angle: 45°	Length: 320-1800mm	D230 x B3 x d30 x Z120	1480 x 620 x 1350mm	270kg	<ul style="list-style-type: none"> Used for 45 degree aluminium mitering. Infeed / outfeed tables provided. Assembly required on site
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End Router (A) Manual (LXD01-80)

	380V/50Hz 3 Phase	0.4 - 0.6(Mpa)	30L/min	1.1kW	N/A	Width: 120mm Height: 80mm	D160 x B3 x d32 x Z24 1x Blade Supplied	700 x 580 x 1540mm	220kg	<ul style="list-style-type: none"> Used for milling of Aluminium and PVC faces. Capable of multiple cuts Adjustable milling cutter. Blade options: 3mm/C44 (MACH0001) or 4mm/CW (MACH0183)
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End Router (B) Pneumatic (LXD-200)

	380V/50Hz 3 Phase	0.4 - 0.6(Mpa)	100L/min	1.5kW	-65 ~ +65	Width: 120mm Height: 80mm	D180 x B3 x d32 x Z24 1x Blade Supplied	880 x 830 x 1390mm	290kg	<ul style="list-style-type: none"> Used for Aluminium & PVC profile end milling. Mullion profile end milling. Varying cutter combinations. Blade options: 3mm/C44 (MACH0002) or 4mm/CW (MACH0520)
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Single Point Crimping Machine Hydraulic (LMB-120)



380V/50Hz
3 Phase

0.4 - 0.6(Mpa)

20L/min

1.5kW

N/A

Width:
120mm

1200 x 1100
x 1300mm

430kg

- Easy operation and reliable performance.
- Effective corner crimping of assorted profiles.
- Ensures high efficiency.
- Assembly required on site.

Single Point Crimping Machine Pneumatic (LQZ-120)



N/A

0.4 - 0.6(Mpa)

50L/min

N/A

N/A

Width:
120mm

1200 x 1000
x 1200mm

410kg

- Easy operation and reliable performance.
- Effective corner crimping of assorted profiles.
- Energy efficient.
- Assembly required on site.

Double Axis Copying Router (LZF2-300x100)



380V/50Hz
3 Phase

0.4 - 0.6(Mpa)

30L/min

1.5kW

Copy Range:
90 x 290mm

Width:
120mm
Height:
120mm

970 x 970
x 1460mm

380kg

- Used for hole & slot routing.
- High speed milling & atomized cooling lubrication.
- One copy plate supplied.
- Assembly required on site.

Single Axis Copying Router (LZF2-290 x 90)



380V/50Hz
3 Phase

0.4 - 0.6(Mpa)

30L/min

0.75kW

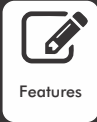
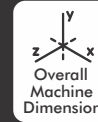
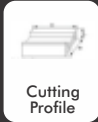
Copy Range:
90 x 290mm

Width:
90mm
Height:
120mm

880 x 680
x 1460mm

310kg

- Used for hole & slot routing.
- High speed milling & atomized cooling lubrication.
- One copy plate supplied.
- Assembly required on site.



WaterJet (TK-Trump50-G4020)



37kW
3 Phase

X Axis/4050mm
Y Axis/2050mm
Z Axis/180mm

Area:
4000 x 2000
x 160mm

X & Y Axis:
10m/min
Z Axis:
2.5m/min

X Axis:
+/- 0.05mm
Y Axis:
+/- 0.08mm

3.8L/min

5000 x 9000
x 2200mm

6500kg

- Easy to use CNC system.
- Electrical components used: Panasonic SERVO, Siemens PLC, Schneider Sunny (USA) & Dery Germany.
- Auto height control.
- Engraving function.
- Assembly required on site.


































Installation Requirements

Stock Code	Description	Power Supply	Air Supply	Water Supply	Other
Dewey Glass Processing Machines					
DE342A	Dewey Glass S/Line Edging Machine	3-Phase, 25A	N/A	To fill tanks	N/A
DZ1345B	Dewey Glass Drilling Machine	3-Phase, 15A	8mm, 6~7 bar	To fill tanks	N/A
MACH0134	Dewey Glass S/Line Edging Machine	3-Phase, 20A	N/A	To fill tanks	N/A
MACH0207	Horizontal Glass Washing Machine	3-Phase, 40A	8mm, 6~7 bar	To fill tanks	N/A
MACH127	Vertical Washing Machine	3-Phase, 20A	8mm, 6~7 bar	To fill tanks	N/A
MACH0207	Horizontal Glass Washing Machine 2M	3-Phase, 40A	8mm, 6~7 bar	To fill tanks	N/A
Eagle Aluminium Processing Machines					
YFGLJD-01	Single Mitre Saw	3-Phase, 15A	8mm, 6~7 bar	N/A	N/A
YFGLJZ2-3800	Double Mitre Saw	3-Phase, 15A	8mm, 6~7 bar	N/A	N/A
YFGLMB-120	Single Point Crimping Machine	3-Phase, 15A	8mm, 6~7 bar	N/A	N/A
YFGLQZ-120	Single Point Crimping Machine Pneumatic	N/A	10mm, 6~7 bar	N/A	N/A
YFGLXD01-80	End Router (A)	3-Phase, 15A	8mm, 6~7 bar	N/A	N/A
YFGLXD-200	End Router (B)	3-Phase, 15A	8mm, 6~7 bar	N/A	N/A
YFGLZF-90	Single Axis Copy Router	3-Phase, 15A	8mm, 6~7 bar	N/A	N/A
YFGLZF2-100	Double Axis Copy Router	3-Phase, 15A	8mm, 6~7 bar	N/A	N/A
Waterjet SA Machines					
MACH0400	Waterjet Cutting Machine	3-Phase, 120A	2x 8mm, 6~7bar	Permanent	200l #46 H/Oil
N/A	Unloading	5 Ton forklift or crane (2 Ton forklift for areas where space is limited)			

Crate Dimensions

Stock Code	Description	Crate Dimensions (mm)	Crates	Model No.
Dewey Glass Processing Machines				
DE342A	Glass S/Line Edging Mach (9 Wheels)		3	DZM9
	Machine	1340 x 1570 x 3970		
	Glass Racks	940 x 690 x 2940		
	Water Tank	600 x 330 x 1640		
MACH0134	Glass S/Line Edging Mach (4 Wheels)		3	DZM4
	Machine	1240 x 1440 x 2840		
	Glass Racks	940 x 690 x 2940		
	Water Tank	600 x 330 x 1640		
DZ1345B	Glass Drilling Mach		3	DZJ13
	Machine	840 x 1740 x 2210		
	Table	2240 x 4810 x 1630		
	Tank	430 x 450 x 840		
MACH127	Glass Vertical Washing Mach		4	DLQX20
	Machine	2560 x 3300 x 1500		
	Tank	1340 x 1270 x 590		
	Side Table	820 x 2140 x 3350		
	Blower	2380 x 940 x 1040		
MACH0207	Glass Horizontal Washing Mach		1	DQX25
		2900 x 6340 x 3040		
Eagle Aluminium Processing Machines				
YFGLJD-01	Single Mitre Saw		2	LJD-01
	Machine	810 x 1410 x 890		
	Side Table	285 x 340 x 2550		
YFGLJZ2-3800	Double Mitre Saw		1	LJZ2-45x3800
		1340 x 1490 x 4840		
YFGLXD01-80	End Router (A) Manual		1	LXD01-80
		740 x 1580 x 620		
YFGLXD-200	End Router (B) Pneumatic		1	LXD-200
		810 x 1360 x 970		
YFGLZF-90	Single Axis Copying Router		2	LZF-290x90
	Machine	1010 x 1500 x 940		
	Side Bar and Legs	360 x 150 x 1740		
YFGLZF2-100	Double Axis Copying Router		2	LZF2-300x100
	Machine	1140 x 1520 x 1260		
	Side Bar and Legs	360 x 150 x 1740		
YFGLMB-120	Single Point Crimping Mach Hydraulic		1	LMB-120
		1120 x 1400 x 1230		
YFGLQZ-120	Single Point Crimping Mach Pneumatic		1	LQZ-120
		1100 x 1400 x 1040		
YFGLJMJ-500	Corner Connector Saw		2	LJMJ-500
	Machine	1140 x 2040 x 1640		
	Side Table	360 x 150 x 1740		
MACH0248	Glazing Bead Saw		2	SYJW-1800
	Machine	620 x 1480 x 1350		
	Side Table	360 x 150 x 1740		
Waterjet SA Machines				
MACH0400	Water Jet Cutting Machine		1	G4020
		200 x 4040 x 2040		

Consumables

Stock Code	Description	Gallery
All Machines		
MACH0060	Electromagnet Valve	
MACH0126	Atomizer or Lubrication System	
MACH0164	M10 Rubber Stop	
MACH0163	M8 Rubber Stop	
MACH0377	M6 Keep Handle	
MACH0378	M8 Keep Handle	
MACH0379	M10 Keep Handle	
Aluminium Processing Machines		
Double Mitre Saw		
MACH0232	Linear Gear Set (7pcs)	
MACH0199	Hydro-Pneumatic Cylinder 63x175mm (blade)	
MACH0302	Pneumatic Cylinder 32x120mm (clamping)	
MACH0304	Blate Plates (no holes)	
Single Mitre Saw		
MACH0061	Material Rest	
MACH0200	Pneumatic Cylinder 50x95mm (blade)	
MACH0478	Pneumatic Cylinder 20x100mm (top clamping)	
MACH0479	Pneumatic Cylinder 20x150mm (front clamping)	
Copy Router		
MACH0153	Copy Pin	
MACH0156	Copy Handle	
MACH0160	630N Air Spring	
MACH0306	Pneumatic Cylinder 32x100mm (clamping)	
MACH0306S	Pneumatic Cylinder 32x100mm (single action)	
MACH0301	3/2 Way Valve with Toggle	
MACH0273	Push-pull Valve	
Crimper		
MACH0158	Crimping Knife	
MACH0162	Locating Piece	
Router		
MACH0088	Set consists of: 1x 20mm 1x 15mm 2x 9mm 5x 3mm 5x 2mm	
Blade Options		
End Router A Blade		
MACH0001	Saw Blade TCT 160x32x24x3mm (shopfront system)	
MACH0183	Saw Blade TCT 160x32x24x4mm (CW system)	
MACH0518	Saw Blade TCT 128x32x24x3mm (mullion under cut)	
End Router B Blade		
MACH0002	Saw Blade TCT 180x32x24x3mm (shopfront system)	
MACH0520	Saw Blade TCT 180x32x24x4mm (CW system)	
MACH0006	Saw Blade TCT 135x32x48x3mm (mullion under cut)	
Double Mitre Saw		
MACH0067	Saw Blade TCT 450x30x144x4mm	
Single Mitre Saw		
MACH0092	Saw Blade TCT 350x30x108x3.2mm	
Waterjet SA Machines		
WJET001	Nozzle 26.2 x 0.84mm	Use with 120# Garnet
WJET001	Nozzle 26.2 x 1mm	Use with 80# Garnet

Machine Terms & Conditions

1. Delivery

- 2 weeks from receipt of payment for goods in stock.
- 12 weeks from receipt of payment for goods on order.

2. Pricing

- All prices are valid for 30 days from date of quotation.

3. Performance

- Designed to run at the speed specified, but this is dependent on operator efficiency and skill.

4. Taxes

- Value Added Tax is not included in the pricing (VAT exclusive).

5. Payment Terms

- **Full payment with purchase order**
- All machines remain the property of National Glass Distributors (PTY) Ltd until paid for in full.
- All payment notifications must be sent to **debtors@natglass.co.za** together with the quote number.

6. Road Freight and Unloading

- The purchaser is responsible for all aspects of off-loading the machine from the hauler.
- At an additional charge of R350 per hour (subject to change), we will supply personnel to oversee the initial setup of the machine.
- The machine must not be accepted from the hauler with visibly damaged parts as we will not be held responsible for any subsequent repairs.
- Machine settings and regular scheduled maintenance are the responsibility of the purchaser.
- Notwithstanding point above, if we use our own vehicles to deliver the goods to the premises, the customer or its employees shall off-load the goods at the sole risk to the customer who shall be responsible for all damage, loss and expenses howsoever caused during the off-loading process.
- If the customer requires our assistance to off-load the machine, this shall be at the customers sole-risk.
- Furthermore liability for the goods passes to the customer when the machine is physically situated at the mandated delivery address.

7. Warranty

The warranty will be valid for a period of **3 months for electrical parts and 6 months for all mechanical parts from date of delivery** and is subject to the following:

- Electrical power connection is to be done by a qualified electrician, in accordance with SANS 10142.
- On completion of installation, the purchaser is to ensure the Certificate of Compliance is updated and a copy thereof or invoice sent to National Glass Distribution (PTY) Ltd.
- Should any part of the machine malfunction, the purchaser is to notify us immediately. Please email **services@natglass.co.za**
- If the purchaser fails to notify us of the malfunction and additional damage results; then our responsibilities under the warranty will be waived.
- Machine shall only be covered by the warranty if failure is due to defective manufacture present at time of sale which becomes apparent within the relevant warranty period.
- **The warranty is waived in the following cases:**
 - (a) Defects or machine failure caused by uses other than those for which the machine is intended;
 - (b) Defects or machine failure caused by accidental breakage, negligence, abuse or insufficient maintenance
- The warranty does not cover the replacement of consumables i.e. filters, brushes, blades, bearings, pneumatic-oil, etc.

8. Servicing

- It is the responsibility of the purchaser to service the machine. We do not service machines but are able to offer advice on the supply and sourcing of parts.

9. Methods of payment



SnapScan

Scan our unique QR Code to make payments to Natglass.



EFT

Pay directly to our bank acc.
Bank Details: Standard Bank
Branch: 050017, Acc: 080039243



Credit Card

Pay telephonically by credit card.

