GEMINI - IV SA



Double Head Front Blade Saw Ø 450 mm with Automatic positioning and Semi-automatic angle adjustment

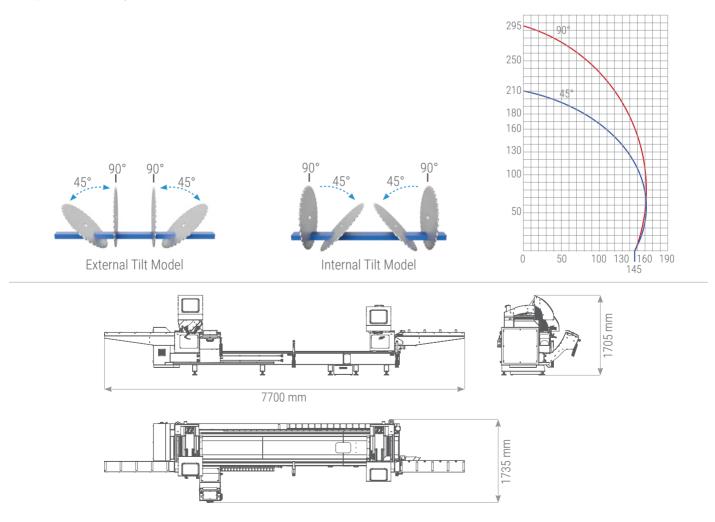


GEMINI - IV SA, double head front blade saw with 450 mm sawblade with semi-automatic 1 axis servo control, is an ideal option for cutting aluminium and PVC profiles in different angles and thicknesses.

GEMINI - IV SA performs quick hydro-pneumatic angle positioning in 2 inclination models of -45°, 90° and 90°, 45° angles, while the heads that perform manual positioning in all other intermediate angles provide a perfect cutting process.

While providing the cutting processes of profiles with a minimum length of 400 mm and a maximum of 4040 mm simultaneously with two heads, it also eliminates the limits in cutting of profiles.

While increasing the cutting quality with its automatic horizontal and vertical clamps and profile support unit, **GEMINI - IV SA** also prioritises safety.



GEMINI - IV SA

Double Head Cutting Machine Ø 450 mm - Semi-automatic with 1 Axis Servo Control

AXIS TRAVEL

Rapid angle positioning of heads hydro pneumatically 45° and 90° Hydro-pneumatic cutting feed adjustment 400 / 500 mm Maximum cutting length with double head (90°/45°) 400 / 4040 mm Maximum internal rotation angle (internal tilt / external tilt) 90° / 45° Maximum external rotation angle (internal tilt / external tilt) 90° / 45° POSITIONING SPEED X axis positioning speed 40 mm m A minimal proper Consumption 6 · 8 Bar Consumption 5 / 2 kW Voltage 6 · 8 Bar Exetertical 400 vV Frequency 5 / 2 kW Voltage 400 vV Frequency 5 / 6 kW Voltage 400 vV Frequency 5 / 6 kW Operational Large 2 Saw blade diameter 4 Saw blade diameter 450 mm Saw blade motor power 2 / 2 kW · 3 mm Profile height measurement (suter slope model) 6 Optional length in X-axis 6 Cuttical pneumatic clamps 6 <tr< th=""><th>Hydro-pneumatic controlled rotation axis of head</th><th>•</th></tr<>	Hydro-pneumatic controlled rotation axis of head	•
Minimum cutting length with double head (90°/45°) 400 / 560 mm Maximum incutting length with double head (90°/45°) 400 / 4000 mm Maximum cutting length with double head (90°/45°) 45° / 90° Maximum external rotation angle (internal tilt / external tilt) 90° / 45° POSITIONING SPEED X axis positioning speed 40 m/min ARISTONIA SPEED ELECTRICAL Maximum power 5.7 kW Voltage 400 v Frequency 50-60 Hz OPERATIONAL AREA Cemented carbide saw blade 2 Saw blade diameter 450 mm Saw blade diameter 450 mm Saw blade diameter 450 mm Saw blade incorp cower 2.2 kW - 3HP Profile height measurement (outer slope model) 0 Optical algorith in X-xix 0 Cutting zone protection covers 0 Horizontal pneumatic clamps 0 Vertical pneumatic clamps 0 Manual Intermediate profile support 0 Roller conveyor on moving head 0 <td>Rapid angle positioning of heads hydro-pneumatically</td> <td>45° and 90°</td>	Rapid angle positioning of heads hydro-pneumatically	45° and 90°
Maximum cutting length with double head (90°/45°) 4804 (900 mm Maximum internal rotation angle (internal tilt / external tilt) 45° / 90° Maximum external rotation angle (internal tilt / external tilt) 90° / - 45° POSITIONING SPEED A waxip positioning speed 40 mm/min A says positioning speed 6 - 8 Bar Consumption 120 L/min ELECTRICAL Maximum power 5. kW OS-6-0 Hz Voltage 5.0 kW Frequency 50-60 Hz OPERATIONAL AREA Cemented carbide saw blade 2 Saw blade diameter 450 mm Saw blade diameter 450 mm Saw blade motor power 2 Poffile height measurement (outer slope model) 6 Optional length in X-axis 6	Hydro-pneumatic cutting feed adjustment	•
Maximum internal rotation angle (internal tilt / external tilt) 45° / 90° Maximum external rotation angle (internal tilt / external tilt) 90° / 45° POSITIONING SPEED X axis positioning speed 40 m/min AIR Freesure 6 - 8 Bar Consumption 120 L/min ELECTRICAL Maximum power 57 kW Voltage 400 V Frequency 50 - 60 Hz OPERATIONAL AREA Cemented carbide saw blade 2 Cemented carbide saw blade for power 450 mm Saw blade diameter 450 mm Saw blade motor power 2 2242-34P Profile height measurement (outer slope model) • Optional length in X-axis • Optional length in X-axis • Optional penumatic clamps • Vertical pneumatic clamps • Vertical pneumatic clamps • Vertical pneumatic clamps • Vertical pneumatic clamps • Intermediate profile support (pcs) •<	Minimum cutting length with double head (90°/45°)	400 / 560 mm
Maximum external rotation angle (internal tilt / external tilt) 90" / 45" POSITIONING SPEED X axis positioning speed 40 m/min AIR Pressure 6 - 8 Bar Consumption 120 L/min ELECTRICAL Maximum power 5 7 kW Voltage 400 V Frequency 50-60 Hz OPERATIONAL AREA Cemented carbide saw blade 2 Saw blade diameter 45 mm Saw blade motor power 2 x8W -3 HP Profile height measurement (outer slope model) • Saw blade motor power 2 x8W -3 HP Profile height measurement (outer slope model) • Optional length in X-axis • Cutting zone protection covers • Cutting zone protection covers • Unitermediate profile support • Manual intermediate profile support (pcs) • Additional intermediate profile support • Rolled conveyor on moving head • Fixed head conveyor •	Maximum cutting length with double head (90°/45°)	4040 / 4040 mm
POSITIONING SPEED X axis positioning speed 40 m/min AIR Pressure 6.8 Bar Consumption 120 L/min ELECTRICAL Maximum power 57, kW Voltage 400 V Frequency 50-60 Hz OPERATIONAL AREA Cemented carbide saw blade 2 450 mm Saw blade dameter 450 mm Saw blade dameter 450 mm Saw blade motor power 2 2 kW-3HP Profile height measurement (outer slope model) 6 Optional length in X-axis 7 Optional length of X-axis X-	Maximum internal rotation angle (internal tilt / external tilt)	45° / 90°
X axis positioning speed 40 m/min AIR Pressure 6 - 8 Bar Consumption 120 L/min ELECTRICAL Maximum power 5.7 kW Voltage 400 V Frequency 50-60 Hz OPERATIONAL AREA Cemented carbide saw blade 2 Saw blade diameter 450 mm Saw blade motor power 2.2 kW -3HP Profile height measurement (outer slope model) 6 Optional length in X-axis 6 Optional length in X-axis 6 Uttling zone protection covers 6 Horizontal pneumatic clamps 6 Vertical pneumatic clamps 6 Use of the conveyor on protection overs 6 Intermediate profile support 6 Roller conveyor on moving head 6 Fixed	Maximum external rotation angle (internal tilt / external tilt)	90° / -45°
AIR Pressure 6 · 8 Bar Consumption 120 L/min ELECTRICAL Maximum power 5,7 kW Voltage 400 V Frequency 50 - 60 Hz OPERATIONAL AREA Cemented carbide saw blade 2 Saw blade diameter 450 mm Saw blade motor power 2.2 kW -3 HP Profile height measurement (outer slope model) • Optional length in X-axis • Optional pneumatic clamps • Vertical pneumatic clamps • Monual intermediate profile support • Manual intermediate profile support (pcs) 2 Additional intermediate profile support (pcs) • Additional intermediate profile support (pcs) • Roller conveyor on moving head • Fixed head conveyor • Saw blade travel signal speed adjustment • Saw blade travel speed adjustment • Saw blade travel speed adjustment • Saw blade travel speed adjustment • S	POSITIONING SPEED	
Pressure 6 · 8 · 8 · 8 · 8 · 120 L/min ELECTRICAL Maximum power 5,7 kW Voltage 400 V Frequency 50 · 60 Hz OPERATIONAL AREA Cemented carbide saw blade 2 Saw blade diameter 450 mm Saw blade motor power 2.2kW · 3HP Profile height measurement (outer slope model) • Optional length in Naxis • Cutting zone protection covers • Horizontal pneumatic clamps • Vertical pneumatic clamps • Manual intermediate profile support • Intermediate profile support (pcs) 2 Additional intermediate profile support • Roller conveyor on moving head • Fixed head conveyor • Saw blade travel speed adjustment • Barcode printer • Control panel •	X axis positioning speed	40 m/min
Consumption 120 L/min ELECTRICAL Maximum power 5,7 kW Voltage 400 V Frequency 50-60 Hz OPERATIONAL AREA Cemented carbide saw blade 2 Saw blade diameter 450 mm Saw blade motor power 2.2 kW-3HP Porfiel ehight measurement (outer slope model) • Optional length in X-axis 0 Cutting zone protection covers • Horizontal pneumatic clamps • Vertical pneumatic clamps • Vertical pneumatic clamps • Manual intermediate profile support • Manual intermediate profile support • Manual intermediate profile support • Roller conveyor on moving head • Fixed head conveyor • Spray saw cooling system • Saw blade travel digital speed adjustment • Saw blade travel digital speed adjustment • Baccode printer • Baccode printer • Baccode printer •	AIR	
ELECTRICAL Maximum power 5,7 kW Voltage 400 V Frequency 50-60 Hz OPERATIONAL AREA Cemented carbide saw blade 2 Saw blade diameter 450 mm Saw blade motor power 2,2 kW -3HP Profile height measurement (outer slope model) • 0 Optional length in X-axis • 0 Outting zone protection covers • 0 Horizontal pneumatic clamps • 0 Horizontal pneumatic clamps • 0 Manual intermediate profile support (pcs) • 0 Manual intermediate profile support • 0 Additional intermediate profile support • 0 Spray saw cooling system • 0 Syray saw cooling system • 0 Saw blade travel signial speed adjustment • 0 Saw blade travel speed adjustment • 0 Sac blate travel speed adjustment • 0 Data transfer via remote network connection, Ethernet and USB • 0 Digital display for angular positioning of the head	Pressure	6 - 8 Bar
Maximum power 5,7 kW Voltage 400 V Frequency 50-60 Hz OPERATIONAL AREA Cemented carbide saw blade 2 Saw blade diameter 450 mm Saw blade motor power 2,2 kW -3 HP Profile height measurement (outer slope model) • Optional length in X-axis • Optional length in X-axis • Ucutting zone protection covers • Horizontal pneumatic clamps • Vertical pneumatic clamps • Manual intermediate profile support • Intermediate profile support (pcs) 2 Additional intermediate profile support (pcs) • Roller conveyor on moving head • Fixed head conveyor • Saw blade travel digital speed adjustment • Saw blade travel speed adjustment • Saw blade travel speed adjustment • Barcode printer • Barcode printer • Control panel 10° Touch screen Control panel 10° To	Consumption	120 L/min
Voltage 400 V Frequency 50-60 Hz OPERATIONAL AREA Cemented carbide saw blade 2 Saw blade diameter 450 mm Saw blade motor power 2.2kw-3HP Profile height measurement (outer slope model) • Optional length in X-axis 0 Cutting zone protection covers • Horizontal pneumatic clamps • Vertical pneumatic clamps • Manual intermediate profile support • Intermediate profile support (pcs) 2 Additional intermediate profile support • Roller conveyor on moving head • Fixed head conveyor • Saw blade travel digital speed adjustment • Saw blade travel speed adjustment • Saw blade travel speed adjustment • Barcode printer • Barcode printer • Control panel 10° Touch screen Control panel 10° Touch screen Compatibility with powder suction system • bigital display for angular positioning of the head •	ELECTRICAL	
Frequency 50-60 Hz OPERATIONAL AREA Cemented carbide saw blade 2 Saw blade diameter 450 mm Saw blade motor power 2.2kW-3HP Profile height measurement (outer slope model) • Optional length in X-axis • Optional permatic clamps • Vertical pneumatic clamps • Vertical pneumatic clamps • Vertical preumatic profile support • Manual intermediate profile support (pcs) • Additional intermediate profile support • Roller conveyor on moving head • Fixed head conveyor • Spray saw cooling system • Saw blade travel digital speed adjustment • Saw blade travel signed adjustment • Saw blade travel speed adjustment • Control panel • Control panel 10°Touch screen	Maximum power	5,7 kW
OPERATIONAL AREA Cemented carbide saw blade 2 Saw blade diameter 450 mm Saw blade motor power 2.2kW -3HP Profile height measurement (outer slope model) • Optional length in X-axis 0 Cutting zone protection covers • Horizontal pneumatic clamps • Vertical pneumatic clamps • Manual intermediate profile support • Intermediate profile support (pcs) 2 Additional intermediate profile support • Roller conveyor on moving head • Fixed head conveyor • Spray saw cooling system • Saw blade travel digital speed adjustment • Saw blade travel speed adjustment • Slicing mode at 90° • Barcode printer • Ob tata transfer via remote network connection, Ethernet and USB • Control panel 10° Touch screen Compatibility with powder suction system • Digital display for angular positioning of the head •	Voltage	400 V
Cemented carbide saw blade 2 Saw blade diameter 450 mm Saw blade motor power 2.2kW-3HP Profile height measurement (outer slope model) • Optional length in X-axis • Cutting zone protection covers • Horizontal pneumatic clamps • Vertical pneumatic clamps • Manual intermediate profile support • Intermediate profile support (pcs) 2 Additional intermediate profile support • Roller conveyor on moving head • Fixed head conveyor • Saw blade travel digital speed adjustment • Saw blade travel speed adjustment • Slicing mode at 90° • Barcode printer • Data transfer via remote network connection, Ethernet and USB • Control panel 10° Touch screen Compatibility with powder suction system • Digital display for angular positioning of the head •	Frequency	50-60 Hz
Saw blade diameter450 mmSaw blade motor power2.2kW - 3HPProfile height measurement (outer slope model)•Optional length in X-axis•Cutting zone protection covers•Horizontal pneumatic clamps•Vertical pneumatic clamps•Manual intermediate profile support•Intermediate profile support (pcs)2Additional intermediate profile support•Roller conveyor on moving head•Fixed head conveyor•Saw blade travel digital speed adjustment•Saw blade travel digital speed adjustment•Slicing mode at 90°•Barcode printer•Data transfer via remote network connection, Ethernet and USB•Compatibility with powder suction system•Compatibility with powder suction system•Digital display for angular positioning of the head•	OPERATIONAL AREA	
Saw blade motor power2.2kW-3HPProfile height measurement (outer slope model)•Optional length in X-axisoCutting zone protection covers•Horizontal pneumatic clamps•Vertical pneumatic clamps•Manual intermediate profile support•Intermediate profile support (pcs)2Additional intermediate profile support•Roller conveyor on moving head•Fixed head conveyoroSpray saw cooling system•Saw blade travel digital speed adjustment•Saw blade travel speed adjustment•Slicing mode at 90°•Barcode printeroData transfer via remote network connection, Ethernet and USB•Compatibility with powder suction system•Digital display for angular positioning of the heado	Cemented carbide saw blade	2
Profile height measurement (outer slope model) Optional length in X-axis Cutting zone protection covers Horizontal pneumatic clamps Vertical pneumatic clamps Manual intermediate profile support Intermediate profile support (pcs) Additional intermediate profile support Roller conveyor on moving head Fixed head conveyor Spray saw cooling system Saw blade travel digital speed adjustment Saw blade travel speed adjustment Saw blade travel speed adjustment Silicing mode at 90° Barcode printer Obata transfer via remote network connection, Ethernet and USB Control panel Compatibility with powder suction system o Digital display for angular positioning of the head	Saw blade diameter	450 mm
Optional length in X-axis o Cutting zone protection covers • Horizontal pneumatic clamps • Vertical pneumatic clamps • Manual intermediate profile support • Intermediate profile support (pcs) 2 Additional intermediate profile support o Roller conveyor on moving head • Fixed head conveyor o Spray saw cooling system • Saw blade travel digital speed adjustment o Saw blade travel speed adjustment • Slicing mode at 90° • Barcode printer o Data transfer via remote network connection, Ethernet and USB • Control panel 10" Touch screen Compatibility with powder suction system • Digital display for angular positioning of the head o	Saw blade motor power	2.2kW - 3HP
Cutting zone protection covers • Horizontal pneumatic clamps • Vertical pneumatic clamps • Manual intermediate profile support • Intermediate profile support (pcs) 2 Additional intermediate profile support • Roller conveyor on moving head • Fixed head conveyor • Spray saw cooling system • Saw blade travel digital speed adjustment • Saw blade travel speed adjustment • Slicing mode at 90° • Barcode printer • Data transfer via remote network connection, Ethernet and USB • Control panel 10" Touch screen Compatibility with powder suction system • Digital display for angular positioning of the head •	Profile height measurement (outer slope model)	•
Horizontal pneumatic clamps Vertical pneumatic clamps Manual intermediate profile support Intermediate profile support (pcs) Additional intermediate profile support Roller conveyor on moving head Fixed head conveyor Spray saw cooling system Saw blade travel digital speed adjustment Saw blade travel speed adjustment Slicing mode at 90° Barcode printer Data transfer via remote network connection, Ethernet and USB Control panel Compatibility with powder suction system Digital display for angular positioning of the head e harmond 10° Touch screen	Optional length in X-axis	0
Vertical pneumatic clamps • Manual intermediate profile support • Intermediate profile support (pcs) 2 Additional intermediate profile support • Roller conveyor on moving head • Fixed head conveyor • Spray saw cooling system • Saw blade travel digital speed adjustment • Saw blade travel speed adjustment • Slicing mode at 90° • Barcode printer • Data transfer via remote network connection, Ethernet and USB • Control panel 10" Touch screen Compatibility with powder suction system • Digital display for angular positioning of the head •	Cutting zone protection covers	•
Manual intermediate profile support (pcs)•Intermediate profile support (pcs)2Additional intermediate profile support•Roller conveyor on moving head•Fixed head conveyor•Spray saw cooling system•Saw blade travel digital speed adjustment•Saw blade travel speed adjustment•Slicing mode at 90°•Barcode printer•Data transfer via remote network connection, Ethernet and USB•Control panel10" Touch screenCompatibility with powder suction system•Digital display for angular positioning of the head•	Horizontal pneumatic clamps	•
Intermediate profile support (pcs) Additional intermediate profile support Roller conveyor on moving head Fixed head conveyor Spray saw cooling system Saw blade travel digital speed adjustment Saw blade travel speed adjustment Slicing mode at 90° Barcode printer Data transfer via remote network connection, Ethernet and USB Control panel Compatibility with powder suction system Digital display for angular positioning of the head	Vertical pneumatic clamps	•
Additional intermediate profile support Roller conveyor on moving head Fixed head conveyor Spray saw cooling system Saw blade travel digital speed adjustment Saw blade travel speed adjustment Slicing mode at 90° Barcode printer Data transfer via remote network connection, Ethernet and USB Control panel Compatibility with powder suction system Digital display for angular positioning of the head o	Manual intermediate profile support	•
Roller conveyor on moving head Fixed head conveyor Spray saw cooling system Saw blade travel digital speed adjustment Saw blade travel speed adjustment Slicing mode at 90° Barcode printer Data transfer via remote network connection, Ethernet and USB Control panel Compatibility with powder suction system Digital display for angular positioning of the head	Intermediate profile support (pcs)	2
Fixed head conveyor Spray saw cooling system Saw blade travel digital speed adjustment Saw blade travel speed adjustment Slicing mode at 90° Barcode printer Data transfer via remote network connection, Ethernet and USB Control panel Compatibility with powder suction system Digital display for angular positioning of the head	Additional intermediate profile support	0
Spray saw cooling system Saw blade travel digital speed adjustment Saw blade travel speed adjustment Slicing mode at 90° Barcode printer Data transfer via remote network connection, Ethernet and USB Control panel Compatibility with powder suction system Digital display for angular positioning of the head	Roller conveyor on moving head	•
Saw blade travel digital speed adjustment Saw blade travel speed adjustment Slicing mode at 90° Barcode printer Data transfer via remote network connection, Ethernet and USB Control panel Compatibility with powder suction system Digital display for angular positioning of the head	Fixed head conveyor	0
Saw blade travel speed adjustment Slicing mode at 90° Barcode printer Data transfer via remote network connection, Ethernet and USB Control panel Compatibility with powder suction system Digital display for angular positioning of the head	Spray saw cooling system	•
Slicing mode at 90° Barcode printer Data transfer via remote network connection, Ethernet and USB Control panel Compatibility with powder suction system Digital display for angular positioning of the head	Saw blade travel digital speed adjustment	0
Barcode printer Data transfer via remote network connection, Ethernet and USB Control panel Compatibility with powder suction system Digital display for angular positioning of the head o	Saw blade travel speed adjustment	•
Data transfer via remote network connection, Ethernet and USB Control panel Compatibility with powder suction system Digital display for angular positioning of the head •	Slicing mode at 90°	•
Control panel10" Touch screenCompatibility with powder suction system●Digital display for angular positioning of the heado	Barcode printer	0
Compatibility with powder suction system Digital display for angular positioning of the head o	Data transfer via remote network connection, Ethernet and USB	•
Digital display for angular positioning of the head o	Control panel	10" Touch screen
	Compatibility with powder suction system	•
Oz Machine Softcut (Cutting optimisation program)	Digital display for angular positioning of the head	0
	Oz Machine Softcut (Cutting optimisation program)	0

• Standard o Optional

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