Nexus Technica



THE ADVANCED **ALUMINUM PROCESSING TECHNOLOGY**

ALUMINUM PROFILE CNC MACHINIG CENTERS

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the passion of professionals

BEYOND BOUNDARIES

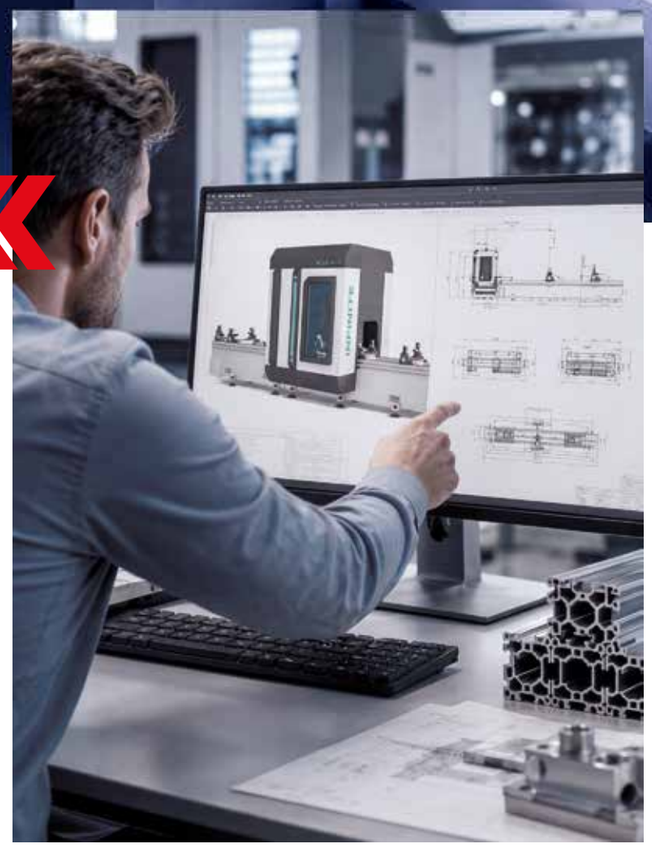
About Us

NEXUS TECHNICA LTD.
Who We Are

Here is Nexus Technica®, the passion of professionals. At Nexus Technica®we do things just a bit differently. We dare to take the initiative and to tackle tough new challenges, because we know that it is only by stepping outside our comfort zone that we can grow.

Our commitment to excellence extends beyond mere product offerings. We are dedicated to providing our clientele with cutting-edge solutions that enhance productivity, promote efficiency, and deliver tailor-made answers to meet their specific demands. Discover how our Unique Press Brake technology can transform your manufacturing operations, streamline your workflows, and drive your success to new heights.

www.nexustechnica.com



The Center of Advanced Technology
NEXUS MECHATRONICS

We design and realize custom machinery for industries with industrial solutions and innovative production technologies.

With our solutions in diverse fields such as aluminum, plastic, wood, and solar energy, we are here to transform your production processes.

Our Vision

In line with our quality goals, our vision is to provide products and services beyond customer expectations, ensure timely production, promote the well-being of our employees and customers, and become an exemplary, pioneering organization in our sector. At the same time, we aim to promote our aluminum processing machines internationally as a domestic manufacturer and take steps toward a stronger Türkiye.

Misyonumuz | Our Mission

Our mission is to localize aluminum processing machines both in Türkiye and abroad; to adopt a corporate and high-quality management approach; to ensure continuous improvement; and to produce innovative solutions, and by consistently supporting our products with R&D activities, we aim to highlight our innovative capabilities and maintain our position as a leading firm in the industry through stable growth.

30-AXIS

NEVA WX5

ALUMINUM PROFILE CNC MACHINING CENTER

Milling, Drilling and Cutting Processes for Aluminum Profiles



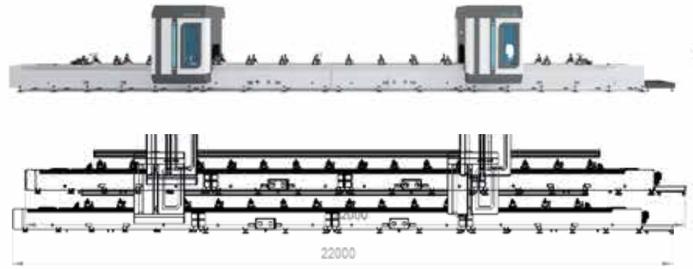
Technical Specifications

AXES					
X AXIS	mm	17000 x 2	B AXIS MAGAZINE	°	360 x 2
Y AXIS	mm	1100 x 2	C AXIS	°	360 x 2
Z AXIS	mm	800 x 2	A AXIS	°	±125 x 2
POSITIONING SPEED					
X AXIS	m/dk	100 x 2	B AXIS MAGAZINE	°/sn	360 x 2
Y AXIS	m/dk	70 x 2	C AXIS	°/sn	180 x 2
Z AXIS	m/dk	60 x 2	A AXIS	°/sn	125 x 2
SPINDLE			**TOOL CHANGER**		
SPINDLE MOTOR POWER	kW	18 - 20 x 2	NUMBER OF TOOLS		(8 + 1) x 2
SPINDLE SPEED	RPM	24000 x 2	MAXIMUM TOOL LENGTH	mm	130
SPINDLE TYPE		HSK F63	MAXIMUM TOOL DIAMETER	mm	50
PROCESSING CAPACITY			**WORKPIECE CLAMPING**		
WORKPIECE DIMENSIONS	mm	400 x 400	NUMBER OF STANDARD CLAMPS		8 x 2
WORKPIECE LENGTH	mm	17000 x 2	MAXIMUM NUMBER OF CLAMPS		8 x 2
SAW - WEIGHT				Ø - KG	500 - 15000
OVERALL DIMENSIONS (WIDTH, LENGTH, HEIGHT)				mm	22000x2300x2700



Standard Features

- Automatic vise positioning on the X-axis
- Hand P independent axes for automatic vise and workpiece reference stopping positioning
- Capacity to machine from 3 surfaces on 5 axes and from 4 surfaces on 5 axes
- Independent motor-driven vises
- Wi-Fi connection handwheel
- Processor i3 (dual-core) CNC – PC
- Graphic color display LCD-THT, 24" screen
- RAM Memory 4 GB
- 64 GB SSD
- USB connection port
- LAN card RJ45
- MICROSOFT WINDOWS embedded
- CAMPROX software
- Cutting thread
- Chip conveyor
- Water-cooled spindle
- Centralized grease lubrication system
- LED lighting
- Safety barrier
- Automatic chip discharge conveyor
- Compressed air gun



Options

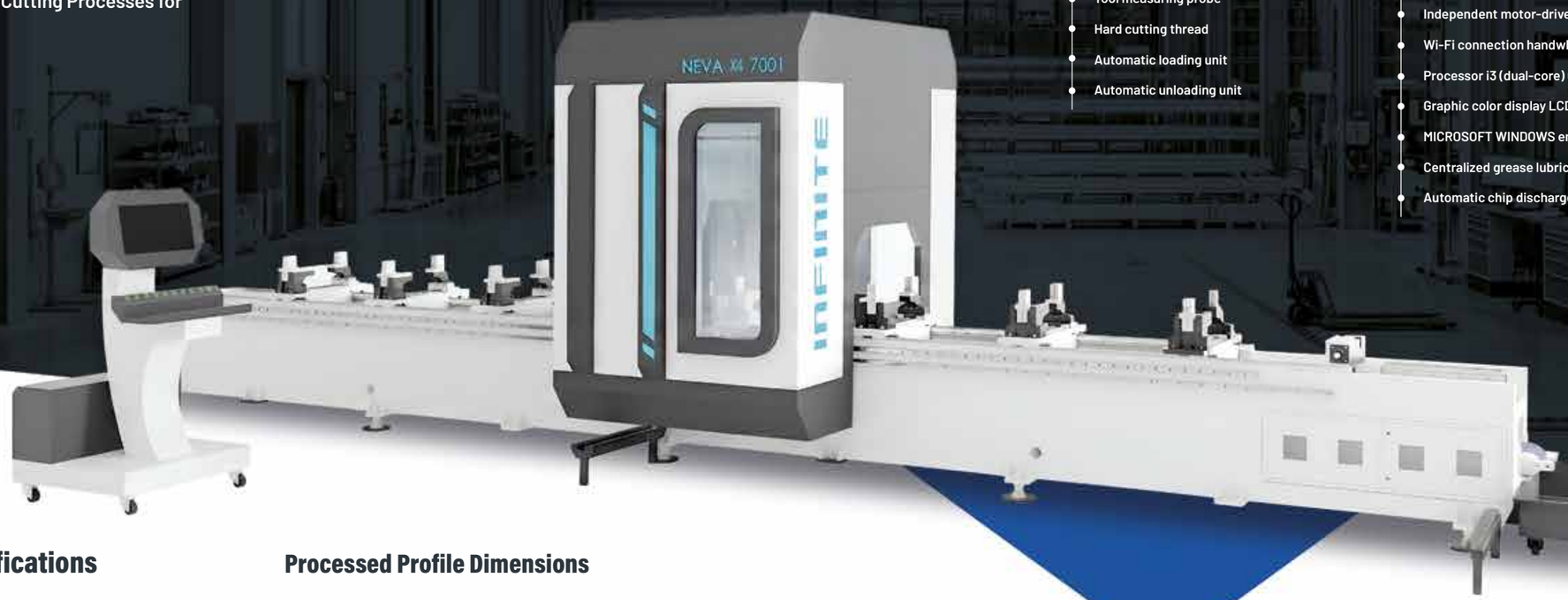
- Remote-controlled button MG PILOT
- Processor i7 (quad-core) CNC – PC
- CadXtrack software
- Tool measuring probe
- Hard cutting thread
- Automatic loading unit
- Automatic unloading unit

4-AXIS

NEVA X4P

ALUMINUM PROFILE CNC MACHINING CENTER

Milling, Drilling and Cutting Processes for Aluminum Profiles



Options

- Remote-controlled button MG PILOT
- Processor i7 (quad-core) CNC – PC
- CadXtrack software
- Tool measuring probe
- Hard cutting thread
- Automatic loading unit
- Automatic unloading unit

Standard Features

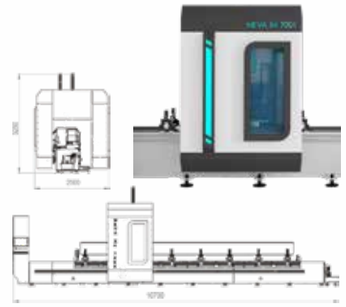
- Automatic vise positioning on the X-axis
- Hand P independent axes for automatic vise and workpiece reference stopping positioning
- Capability to machine on 3 surfaces in 4 axes
- Independent motor-driven vises
- Wi-Fi connection handwheel
- Processor i3 (dual-core) CNC – PC
- Graphic color display LCD-THT, 24" screen
- MICROSOFT WINDOWS embedded
- Centralized grease lubrication system
- Automatic chip discharge conveyor
- RAM Memory 4 GB
- 64 GB SSD
- USB connection port
- LAN card RJ45
- CAMPROX software
- Cutting thread
- Chip conveyor
- Water-cooled spindle
- LED lighting
- Safety barrier
- Compressed air gun

Technical Specifications

AXES		7000	8000	9000	11000
X AXIS	mm	7000	8000	9000	11000
Y AXIS	mm	1100	1100	1100	1100
Z AXIS	mm	800	800	800	800
B AXIS MAGAZINE	°	360	360	360	360
A AXIS	°	125 ±	125 ±	125 ±	125 ±
POSITIONING SPEED					
X AXIS	m/dk	100	100	100	100
Y AXIS	m/dk	70	70	70	70
Z AXIS	m/dk	60	60	60	60
B AXIS MAGAZINE	°/sn	360	360	360	360
A AXIS	°/sn	180	180	180	180
SPINDLE					
SPINDLE MOTOR POWER	kW	11-13	11-13	11-13	11-13
SPINDLE SPEED	RPM	24000	24000	24000	24000
SPINDLE TYPE		HSK F63	HSK F63	HSK F63	HSK F63
PROCESSING CAPACITY					
WORKPIECE DIMENSIONS	mm	400 X 400	400 X 400	400 X 400	400 X 400
WORKPIECE LENGTH	mm	7000	8000	9000	11000

Processed Profile Dimensions





TOOL CHANGER					
NUMBER OF TOOLS	mm	8	8	8	8
MAXIMUM TOOL LENGTH	mm	130	130	130	130
MAXIMUM TOOL DIAMETER		50	50	50	50
WORKPIECE CLAMPING					
NUMBER OF STANDARD CLAMPS		8	8	8	8
MAXIMUM NUMBER OF CLAMPS		8	8	8	8
SAW - WEIGHT	Ø - KG	500 - 9000	500 - 9500	500 - 10000	500 - 11000
OVERALL DIMENSIONS (WIDTH, LENGTH, HEIGHT)	mm	9500 x 2250 x 2700	10500 x 2250 x 2700	11500 x 2250 x 2700	12500 x 2250 x 2700

5-AXIS

NEVA X5P

ALUMINUM PROFILE CNC MACHINING CENTER

Milling, Drilling and Cutting Processes for Aluminum Profiles



Standard Features

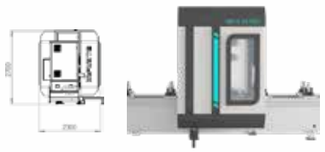
- **Automatic vise positioning on the X-axis**
- **Hand P independent axes for automatic vise and workpiece reference stopping positioning**
- **Capability to machine on 3 surfaces in 4 axes**
- **Independent motor-driven vises**
- **Graphic color display LCD-THT, 24" screen**
- **Automatic chip discharge conveyor**
- Processor i3 (dual-core) CNC – PC
- Wi-Fi connection handwheel
- MICROSOFT WINDOWS embedded
- Centralized grease lubrication system
- RAM Memory 4 GB
- 64 GB SSD
- USB connection port
- LAN card RJ45
- CAMPROX software
- Cutting thread
- Chip conveyor
- Water-cooled spindle
- LED lighting
- Safety barrier
- Compressed air gun

Technical Specifications

AXES		7000	8000	9000	11000
X AXIS	mm	7000	8000	9000	11000
Y AXIS	mm	1100	1100	1100	1100
Z AXIS	mm	800	800	800	800
B AXIS MAGAZINE	°	360	360	360	360
C AXIS	°	360	360	360	360
A AXIS	°	125 ±	125 ±	125 ±	125 ±
POSITIONING SPEED					
X AXIS	m/dk	100	100	100	100
Y AXIS	m/dk	70	70	70	70
Z AXIS	m/dk	60	60	60	60
B AXIS MAGAZINE	°/sn	360	360	360	360
C AXIS	°/sn	360	360	360	360
A AXIS	°/sn	180	180	180	180
SPINDLE					
SPINDLE MOTOR POWER	kW	18-20	18-20	18-20	18-20
SPINDLE SPEED	RPM	24000	24000	24000	24000
SPINDLE TYPE		HSK F63	HSK F63	HSK F63	HSK F63

Options

- Remote-controlled button MG PILOT
- Processor i7 (quad-core) CNC – PC
- cadXtrack software
- Tool measuring probe
- Hard cutting thread
- Automatic loading unit
- Automatic unloading unit



PROCESSING CAPACITY					
WORKPIECE DIMENSIONS	mm	400 X 400	400 X 400	400 X 400	400 X 400
WORKPIECE LENGTH	mm	7000	8000	9000	11000
TOOL CHANGER					
NUMBER OF TOOLS	mm	8 x 2	8 x 2	8 x 2	8 x 2
MAXIMUM TOOL LENGTH	mm	130	130	130	130
MAXIMUM TOOL DIAMETER		50	50	50	50
WORKPIECE CLAMPING					
NUMBER OF STANDARD CLAMPS		8	8	8	8
MAXIMUM NUMBER OF CLAMPS		8	8	8	8
SAW - WEIGHT	Ø - KG	500 - 9000	500 - 9500	500 - 10000	500 - 11000
OVERALL DIMENSIONS (WIDTH, LENGTH, HEIGHT)	mm	9500 x 2250 x 2700	10500 x 2250 x 2700	11500 x 2250 x 2700	12500 x 2250 x 2700

5-AXIS

XERA X5

ALUMINUM PROFILE CNC MACHINING CENTER

Milling, Drilling and Cutting Processes for Aluminum Profiles



Technical Specifications

AXES		NEVA 4XA 4 AXIS	NEVA 5XA 5 AXIS			NEVA 4XA 4 AXIS	NEVA 5XA 5 AXIS
X AXIS	mm	6000	6000	B AXIS MAGAZINE	°	-	-
Y AXIS	mm	250	250	C AXIS	°	-	360 ±
Z AXIS	mm	800	800	A AXIS	°	125 ±	125 ±
POSITIONING SPEED							
X AXIS	m/dk	100	100	B AXIS MAGAZINE	°/sn	-	-
Y AXIS	m/dk	70	70	C AXIS	°/sn	-	180
Z AXIS	m/dk	60	60	A AXIS	°/sn	180	180
SPINDLE				**TOOL CHANGER**			
SPINDLE MOTOR POWER	kW	7,5 -9	11 - 13	NUMBER OF TOOLS		8	8
SPINDLE SPEED	RPM	24000	24000	MAXIMUM TOOL LENGTH	mm	130	130
SPINDLE TYPE		ISO 30	HSK F63	MAXIMUM TOOL DIAMETER	mm	50	50
PROCESSING CAPACITY				**WORKPIECE CLAMPING**			
WORKPIECE DIMENSIONS	mm	250 x 250	250 x 250	NUMBER OF STANDARD CLAMPS		8	8
WORKPIECE LENGTH	mm	6000	6000	MAXIMUM NUMBER OF CLAMPS		10	10

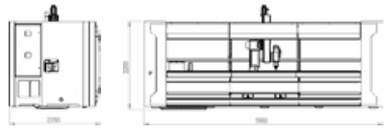
		NEVA / 4 AXIS	NEVA 5XA / 5 AXIS
SAW - WEIGHT	Ø - KG	250 - 4	250 - 4
OVERALL DIMENSIONS (WIDTH, LENGTH, HEIGHT)	mm	8000 X 2200 X 2000	8000 X 2200 X 2000

Standard Features

- Wi-Fi connection handwheel
- Processor i3 (dual-core) CNC – PC
- Graphic color display LCD-THT, 24" screen
- 4 GB RAM Memory
- 64 GB SSD
- USB port
- LAN card RJ45
- MICROSOFT WINDOWS Embedded
- CAMPROX software
- Water-cooled spindle
- Capacity to machine from3 surfaces on 4 axes and from 5 surfaces on 5 axes
- Centralized grease lubrication system
- LED lighting
- There is automatic vise positioning on the X-axis
- Compressed air gun

Options

- Remote-controlled button MG PILOT
- Processor i7 (quad-core) CNC – PC
- cadXtrack software
- Tool measuring probe
- Cutting thread





DTC 6000

DRILLING, TAPPING AND CUTTING MACHINE

Milling, Drilling and Cutting Processes for Aluminum Profiles





Options

- Remote-controlled button MG PILOT (OPTION)
- Processor i7 (quad-core) CNC - PC
- cadXtrack software
- Tool measuring probe
- HARD cutting thread
- Automatic loading unit
- Automatic unloading unit

Technical Specifications

AXES			POSITIONING SPEED		
X AXIS	mm	6000	X AXIS	m/dk	60
Y AXIS	mm	50	Y AXIS	m/dk	60
Z AXIS	mm	50	Z AXIS	m/dk	60
X1 - X2 - X3 AXIS	mm	75	X1 - X2 - X3 AXIS	m/dk	5
Y1 - Y2 - Y3 AXIS	mm	50	Y1 - Y2 - Y3 AXIS	m/dk	5
Z1 - Z2 - Z3 AXIS	mm	50	Z1 - Z2 - Z3 AXIS	m/dk	5
B AXIS (TAPPING		50	B AXIS (TAPPING	m/dk	5
SPINDLE			**SAW - WEIGHT**	**Ø - KG**	**150 - 3000**
SPINDLE MOTOR POWER	kW	5	OVERALL DIMENSIONS (WIDTH, LENGTH, HEIGHT)	mm	7700 x 1000 x 2000
SPINDLE SPEED	RPM	18000			
SPINDLE TYPE		ER25			



Standard Features

- Simultaneous drilling, guide pulling, and cutting for aluminum profile sizes up to 50x50
- Ability to process aluminum profiles with a precision of 0.1 mm to desired dimensions
- Automatic drill bit cooling system
- Tapping capacity up to M10
- 7" HMI screen
- LAN switch
- Cutting thread
- LED lighting
- Chip removal drawer
- Multi-hole drilling capability
- Thread tapping system with the ability to tap up to M12
- Automatic tap lubrication system
- Saw spindle speed adjustable up to 4500 RPM
- Automatic saw cooling system
- Rack and pinion drive system
- Tap dulling feature
- Automatic profile length measurement
- Touch operator panel
- Ability for unmanned operation and production
- Compressed air gun

EFC 2000

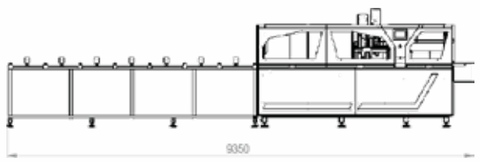
CUTTING SAW MACHINE

EFC 2000 MULTI

PRECISION WEDGE CUTTING MACHINE









Options

EFC 2000

- 15.6" touch PV

EFC 2000 MULTI

- 15.6" touch PC,
- It has a multi-hole drilling feature.

Technical Specifications

AXES		2000	2000 MULTI
X AXIS	mm	2500	2500 ve Üzeri
Y AXIS	mm	400	400
Z AXIS	mm	-	300
POSITIONING SPEED		**2000**	**2000 MULTI**
X AXIS	m/dk	60	60
Y AXIS	m/dk	60	60
Z AXIS	m/dk	-	60
SAW - WEIGHT	**Ø - KG**	**700 - 3500**	**700 - 3500**
OVERALL DIMENSIONS (WIDTH, LENGTH, HEIGHT)	mm	4000 X 2300 X 2000	4000 X 2300 X 2000

EFC 2000

Standard Features

- It is a precision block cutting machine capable of machining aluminum profiles to the desired dimensions with 0.05 mm accuracy and performing cutting operations on profiles up to 400x200 in size.
- 7" HMI screen,
- LAN switch,
- LED lighting,
- Saw spindle speed adjustable up to 3000 RPM,
- Automatic saw cooling system,
- Ball screw drive system,
- Tap dulling feature,
- Automatic profile length measurement,
- Touch operator panel,
- Capability for unmanned operation and production,
- No limit on the length of loadable profiles,
- Ball screw drive system,
- Automatic profile length measurement,
- Cutting with 0.1 mm precision,
- Feature to separate the cut profile,
- Compressed air gun

EFC 2000 MULTI

Standard Features

- Simultaneous capacity for drilling, tapping, and cutting aluminum profiles up to 400x200 in size,
- ER 25 tool holder drill system,
- Automatic drill bit cooling system,
- 7" HMI screen,
- LAN switch,
- Thread cutting,
- LED lighting,
- Thread tapping system capable of tapping up to M12,
- With automatic tap lubrication system,
- Saw spindle speed adjustable up to 3000 RPM,
- Automatic saw cooling system,
- Ball screw drive system,
- Tap dulling feature,
- Automatic profile length measurement,
- Touch operator panel,
- Capability for unmanned operation and production,
- Ability to process aluminum profiles with a precision of 0.05 mm to desired dimensions,
- Can also be used solely as a large cut-off saw if needed.



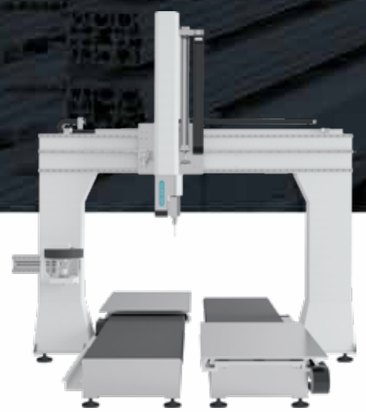
PLASTIC CNC MACHINING CENTERS

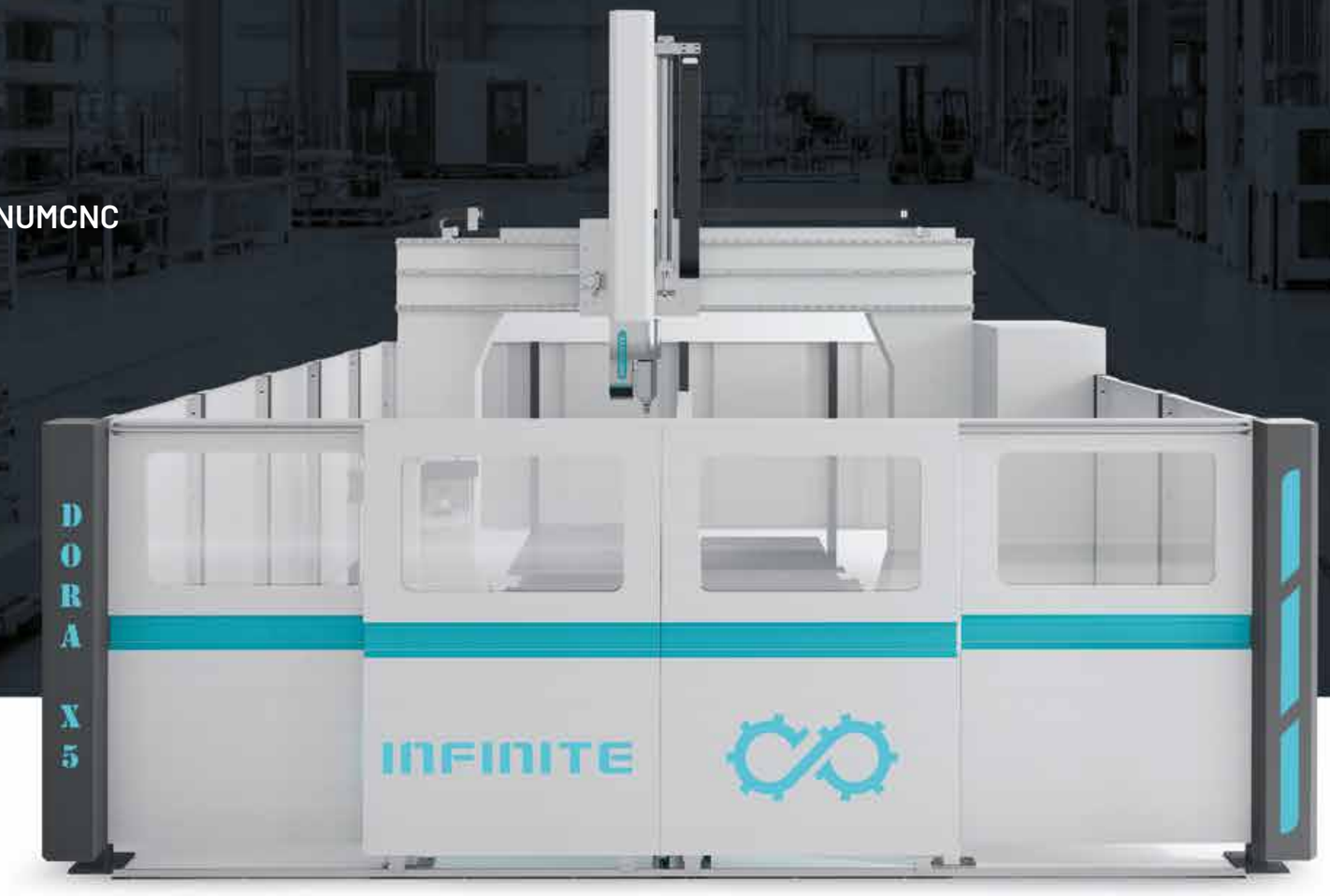
5-AXIS

DORA X5

WOOD, PLASTIC, AND ALUMINUMCNC MACHINING CENTER

Milling, Drilling and Cutting Processes for Aluminum Profiles





Standard Features

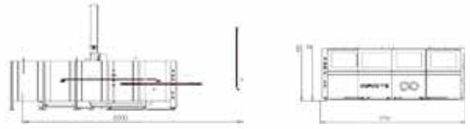
- 5-axis SIMULTANEOUS,
- Wi-Fi connected handwheel,
- Processor i3 (dual-core) CNC – PC,
- Graphic color display LCD-THT, 24" screen,
- RAM 4 GB,
- 64 GB SSD,
- USB connection port,
- LAN card RJ45,
- Embedded MICROSOFT WINDOWS,
- CAMPROX software,
- Water-cooled spindle,
- Capability to machine 5 surfaces,
- Central grease lubrication system,
- LED lighting,
- Compressed air gun,
- Double table processing capability,
- Automatic tool measurement.

Options

- Remote control button MG PILOT
- Processor i7 (quad-core) CNC – PC,
- cadXtrack software,
- Tool measurement probe,
- Hard cutting thread,
- Cutting thread.

Technical Specifications

AXES					
X AXIS	mm	2500	B AXIS MAGAZINE	°	360 ±
Y AXIS	mm	2000 x 2	C AXIS	°	360 ±
Z AXIS	mm	1000	A AXIS	°	120 ±
POSITIONING SPEED					
X AXIS	m/dk	80	B AXIS MAGAZINE	°/sn	180
Y AXIS	m/dk	70	C AXIS	°/sn	180
Z AXIS	m/dk	60	A AXIS	°/sn	180
SPINDLE			**TOOL CHANGER**		
SPINDLE MOTOR POWER	kW	11 - 13	NUMBER OF TOOLS		8
SPINDLE SPEED	RPM	24000	MAXIMUM TOOL LENGTH	mm	200
SPINDLE TYPE		HSK F63	MAXIMUM TOOL DIAMETER	mm	50
PROCESSING CAPACITY			**SAW – WEIGHT**	Ø - KG	400 - 5600
WORKPIECE DIMENSIONS	mm	2500 x 2000 x 1000	OVERALL DIMENSIONS (WIDTH, LENGTH, HEIGHT)	mm	7000 x 6000 x 4500







5-AXIS

NEVA X5A

PLASTIC ALUMINUM CNC MACHINING CENTER

Milling, Drilling and Cutting Processes for Aluminum Profiles



Standard Features

- 5-axis SIMULTANEOUS,
- Wi-Fi connected handwheel,
- Processor i3 (dual-core) CNC – PC,
- Graphic color display LCD-THT, 24" screen,
- RAM 4 GB,
- USB connection port,
- LAN card RJ45,
- Embedded MICROSOFT WINDOWS,
- CAMPROX software,
- Water-cooled spindle,
- Capability to machine 5 surfaces,
- Central grease lubrication system,
- LED lighting,
- Compressed air gun

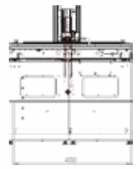
Technical Specifications

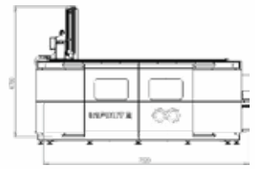
AXES					
X AXIS	mm	4000	C AXIS	°	360 ±
Y AXIS	mm	2000	A AXIS	°	120 ±
Z AXIS	mm	1300			
POSITIONING SPEED					
X AXIS	m/dk	80	C AXIS	°/sn	180
Y AXIS	m/dk	70	A AXIS	°/sn	180
Z AXIS	m/dk	60			
SPINDLE			**TOOL CHANGER**		
SPINDLE MOTOR POWER	kW	11 - 13	NUMBER OF TOOLS		10
SPINDLE SPEED	RPM	24000	MAXIMUM TOOL LENGTH	mm	200
SPINDLE TYPE		HSK F63	MAXIMUM TOOL DIAMETER	mm	50
PROCESSING CAPACITY			**SAW - WEIGHT**	Ø - KG	400 - 14000
WORKPIECE DIMENSIONS	mm	4000 x 2000 x 1300	OVERALL DIMENSIONS (WIDTH, LENGTH, HEIGHT)	mm	7000 x 4000 x 3000



Options

- Remote control button MG PILOT
- Processor i7 (quad-core) CNC – PC,
- cadXtrack software,
- Tool measurement probe,
- Hard cutting thread,
- Cutting thread.









MACHINE CAPABILITIES

With our advanced CNC machining centers, we deliver superior precision, speed and flexibility on aluminum, plastic, wood and composite profiles.

CNC MACHINING

HIGH PRECISION

COMPLEX GEOMETRIES

QUALITY YOU CAN TRUST



±0.01 mm
Machining Accura

7 / 24
Non - stop Production

4 / 5 / 30 EKSEN
Flexible Production

GLOBAL ÇÖZÜMLER
Global Solution

OUR SOLUTIONS *Your* COMPETITIVE EDGE

We deliver advanced technology solutions tailored to the needs of various industries and shape the future of production together.

ARCHITECTURAL SYSTEMS



AUTOMOTIVE



RAILWAY SYSTEMS



AVIATION



DEFENCE



YÜKSEK HASSASİYET
HIGH PRECISION

YENİLİKÇİ TEKNOLOJİ
INNOVATIVE TECHNOLOGY

MAKSİMUM VERİMLİLİK
MAXIMUM EFFICIENCY

GÜVEENİLİR PERFORMANS
RELIABLE PERFORMANS

NEXUS
IN THE WORLD

DEUTSCHLAND
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