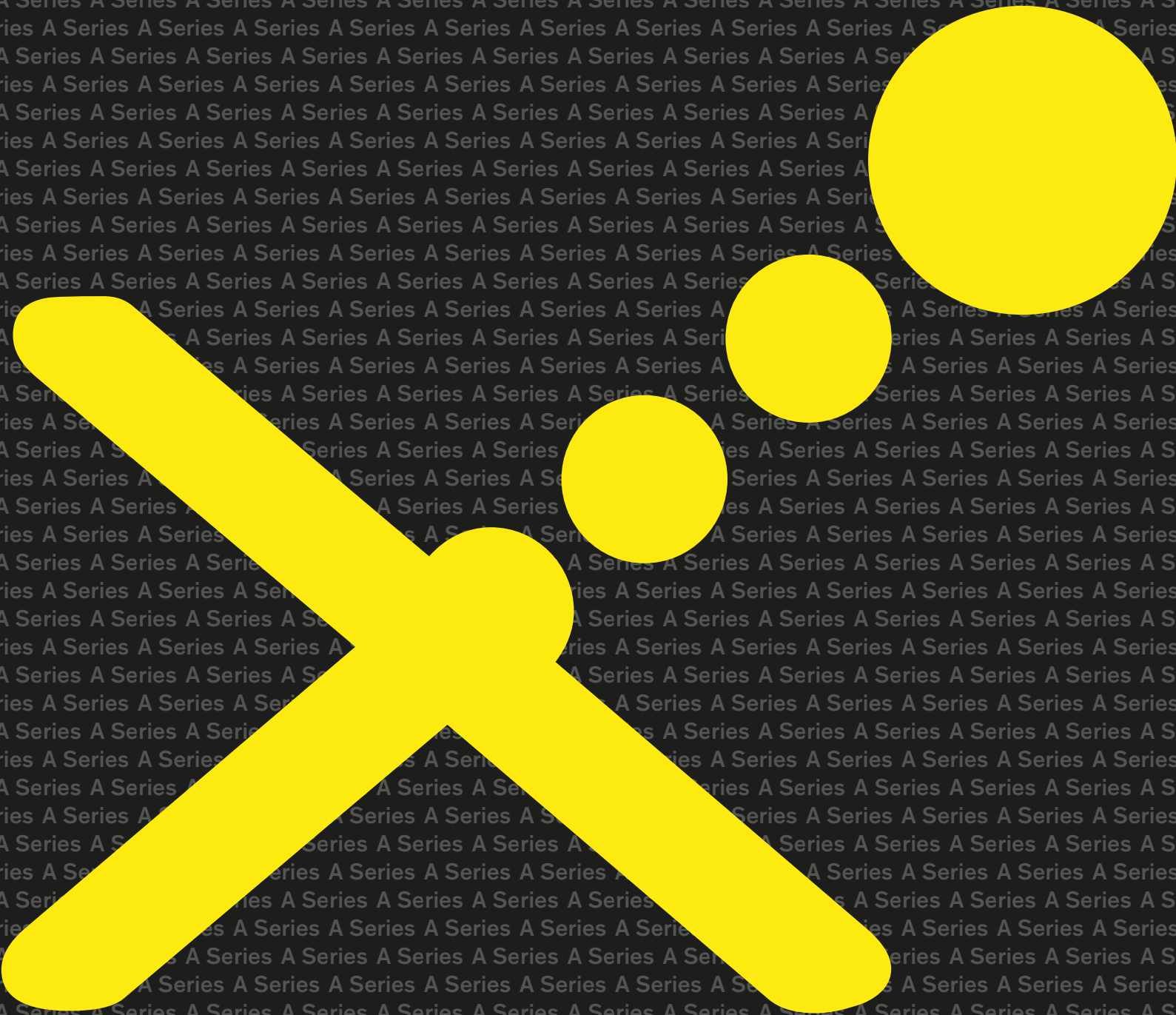




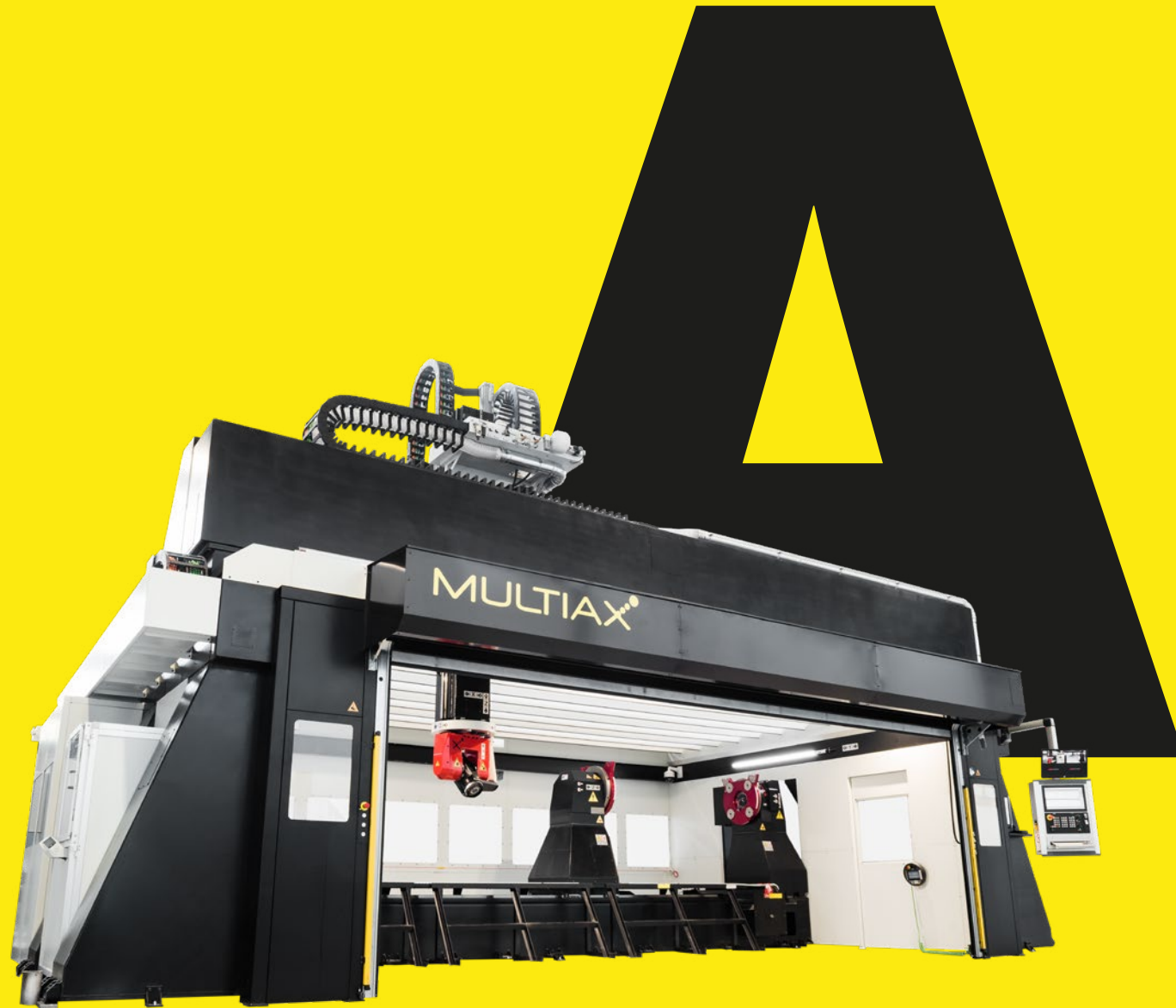
A SERIES

MULTIAX
INTERNATIONAL

**A SERIES:
MOVING BRIDGE >
GANTRIES WITH HIGH SHOULDERS**



www.multiax.com



Impressive series of 5-axis CNC portal machines, ideal for machining medium/large workpieces.

The most common CNC operations include milling, drilling, countersinking, threading, slotting, ultrasonic cutting, typical of the aerospace, automotive, marine, wind energy, and mold and die making industries.

The mobile bridge architecture is modular and designed for a wide range of optional components, allowing the user to machine workpieces of various sizes, in different materials, with high cutting speeds, high precision and an ultra-smooth surface finish.

Various construction, transmission, size and component class options are available to ensure the required tolerances and performance on different materials and industry standards.

Typical materials to be processed are composite materials, resins, modeling boards, fiber-reinforced plastics, core materials, aluminium, and other non-ferrous alloys.

In addition to performing the required technical operations, these machines have been designed for maximum operator safety and the working environment, according to the best principles of ergonomics, safety, and cleanliness, with the best chip evacuation and dust extraction systems.



TECHNICAL
SPECIFICATIONS

Stroke X axis (mm)	max. 9000
Stroke Y axis (mm)	no limits
Stroke Z axis (mm)	up to 5300 (standard or telescopic)
A axis	± 120° (this specification may be different in function of the type of head, spindle and options included)
C axis	± 270° / ± 365° (this specification may be different in function of the type of head, spindle and options included)
Speed (m/min)	60 (X/Y), 40 (Z), 40rpm (A, C) (this specification may be different in function of the type of movement transmission)
Tables	• fabricated metal grid • phenolic (with/without vacuum, flat or machined) • aluminium (with/without vacuum, flat or machined) • T-slots • hybrid (vacuum + mechanical clamping) • single area
Loading/Downloading	• two independent areas with removable central partition panel to separate the working area from the open area • rotary revolver or twin shuttle tables, for loading/unloading outside the enclosure
Electro spindles	• 10/12 kW(S1/S6) • 15/18 kW (S1/S6) • 22/25 kW (S1/S6) • 25/30 kW (S1/S6) • 30/30 kW (S1/S6) • 42/55 kW (S1/S6) • Torque heads 24.000 rpm, HSK 63
Devices	The machine is predisposed for: • bellow covers for guide protection • tool setter • auto calibration of the head geometry • Minimal Quantity Lubrication for tool cooling
Automatic Tool Changer	The machine is predisposed for: • 8/16/24 pressurized tool posts • specific magazines (for ultrasonic knives, discs, tools, etc.) • special magazine posts for oversized tools/units
Extra options/integrations	The machine is predisposed for: • CNC paste extrusion of modeling pastes with the same machine used for CNC milling • 3D printing of plastic materials (thermoplastics and thermosets, charged with FRP/CFRP) • Interior lighting • dust extraction with controlled-length hood • scrap conveyors • deionizer • VDO camera network (for easier operations/ for extra safety).





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INTERNATIONAL

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