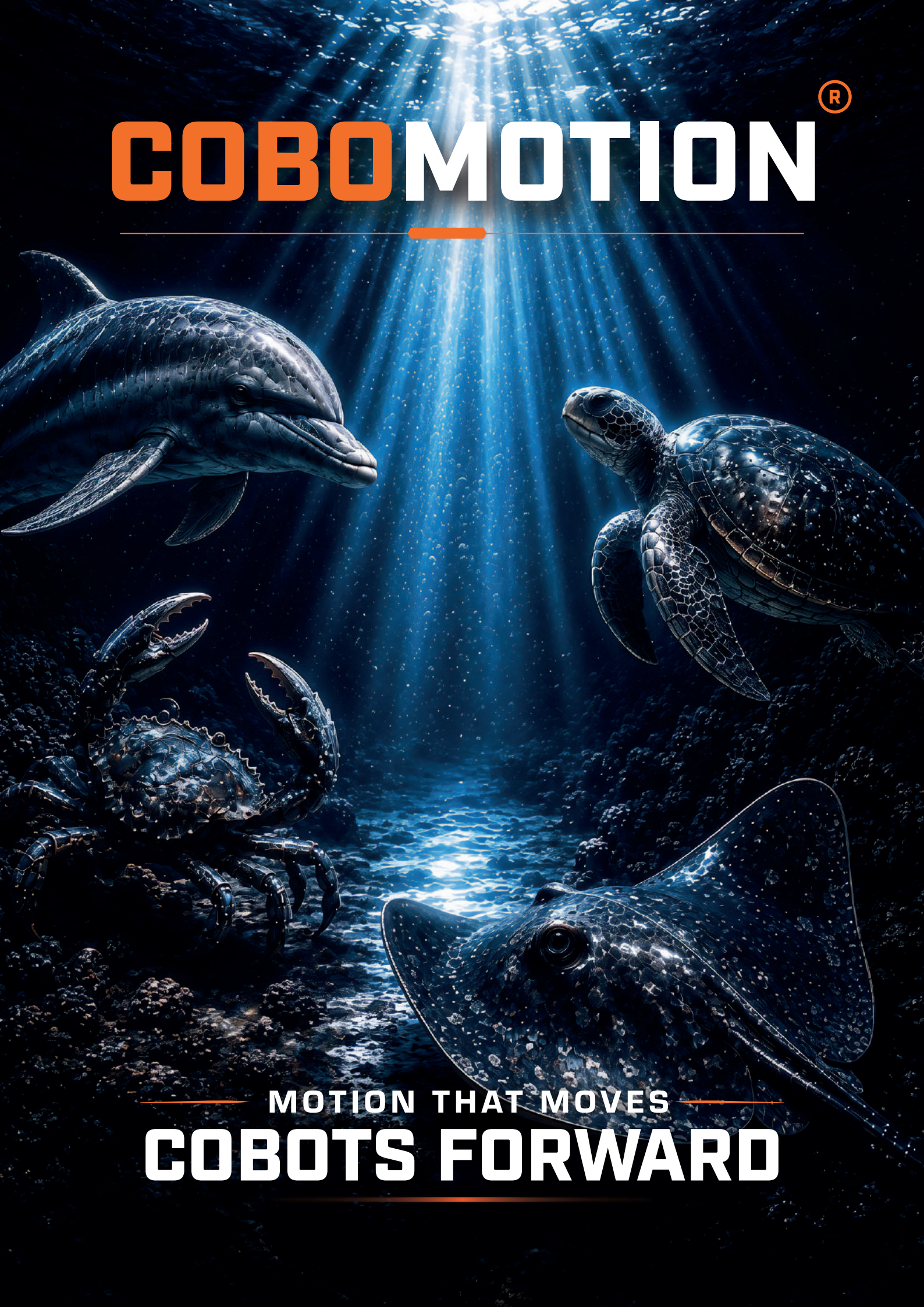

COBOMOTION®
MOTION THAT MOVES
COBOTS FORWARD

WHO WE ARE

COBOMOTION, is a Turkish engineering company specialized in modular motion systems for cobot applications. We design and manufacture high performance, reliable and easy-to-integrate solutions that empower automation in modern industry.

OUR MISSION

To provide innovative, modular and high-quality motion systems that increase productivity, improve flexibility and create value for our customers worldwide.

OUR VISION

To become a global brand in cobot motion systems recognized for engineering excellence, product reliability and customer trust.

OUR VALUES

- Engineering Excellence
- Quality & Reliability
- Customer Focus
- Innovation
- Integrity

OUR APPROACH

We combine robust engineering, modular design and smart manufacturing to deliver systems that are durable, flexible and future-ready.

GLOBAL FOCUS

Our solutions are developed for global standards and delivered to partners and integrators around the world. COBOMOTION is your trusted motion partner.

PRODUCT ECOSYSTEM

MOTION ECOSYSTEM

COBOMOTION offers a complete range of modular motion systems for cobot applications.
Engineered for performance. Designed for flexibility.
Built for the future of automation.

DOLPHIN AXIS

Modular linear motion systems for cobots.

CRAB AXIS

Pillar and gantry motion systems.

STINGRAY AXIS

Tilt-turn robotic positioning systems.

TURTLE AXIS

Mobile cobotic welding platforms.

COMMON PLATFORM BENEFITS

- MODULAR DESIGN
- UNIVERSAL COBOT COMPATIBLE
- SERVO READY
- HEAVY DUTY STRUCTURE
- PLUG & PLAY ARCHITECTURE
- BUILT IN TURKIYE

DOLPHIN AXIS

MODULAR LINEAR MOTION SYSTEMS FOR COBOTS

Dolphin Axis series delivers high precision, rigid structure and long stroke solutions for cobot linear applications.

HIGH PRECISION
Accurate positioning for demanding applications.

MODULAR DESIGN
Flexible stroke options and easy system integration.

HEAVY DUTY
Robust structure for maximum payloads.

LOW MAINTENANCE
Durable components for long service life.

DESIGNED FOR PERFORMANCE

Dolphin Axis engineered to provide smooth and reliable linear motion for a wide range of cobot applications including pick & place, welding, machine tending and more.

IDEAL APPLICATIONS

- PICK & PLACE
- WELDING
- MACHINE TENDING
- PALLETIZING

KEY FEATURES

STROKE LENGTH	PAYLOAD CAPACITY	REPEATABILITY	MAX SPEED	DRIVE SYSTEM	GUIDE SYSTEM
1400 – 11400 mm	Up to 150 kg	±0.05 mm	0.6 m/s	Servo Motor	High Precision Linear Guide

DOLPHIN AXIS

MODULAR LINEAR MOTION SYSTEMS FOR COBOTS

HIGH PRECISION
Accurate and smooth linear motion.

ROBUST & RELIABLE
Industrial grade structure for long life.

MODULAR DESIGN
2 meter modules, easy to extend.

COBOT COMPATIBLE
Compatible with all major cobot brands.

SERVO READY
Ready for easy integration with servo systems.

SERIES	PRODUCT CODE	PRODUCT NAME	STROKE (OVERALL LENGTH)	CARRIAGE LOAD (CAPACITY)	MAIN FEATURES
	DA-2000 Dolphin Axis D2	**Dolphin Axis D2** 2 Meter Linear Axis (1 × 2 m module)	≈ 1.400 mm (2.004 mm)	150 kg (Max.)	• 150 kg carriage load • Helical rack & pinion drive • Servo motor ready • 1 × 2 m module, 3 floor supports • Weight approx. 160 kg • Cable carrier ready • Compatible with all major cobots
	DA-4000 Dolphin Axis D4	**Dolphin Axis D4** 4 Meter Linear Axis (2 × 2 m modules)	≈ 3.400 mm (4.004 mm)	150 kg (Max.)	• 150 kg carriage load • Helical rack & pinion drive • Servo motor ready • 2 × 2 m modules, 6 floor supports • Weight approx. 265 kg • Cable carrier ready • Compatible with all major cobots
	DA-6000 Dolphin Axis D6	**Dolphin Axis D6** 6 Meter Linear Axis (3 × 2 m modules)	≈ 5.400 mm (6.004 mm)	150 kg (Max.)	• 150 kg carriage load • Helical rack & pinion drive • Servo motor ready • 3 × 2 m modules, 9 floor supports • Weight approx. 365 kg • Cable carrier ready • Compatible with all major cobots
	DA-8000 Dolphin Axis D8	**Dolphin Axis D8** 8 Meter Linear Axis (4 × 2 m modules)	≈ 7.400 mm (8.004 mm)	150 kg (Max.)	• 150 kg carriage load • Helical rack & pinion drive • Servo motor ready • 4 × 2 m modules, 12 floor supports • Weight approx. 465 kg • Cable carrier ready • Compatible with all major cobots
	DA-10000 Dolphin Axis D10	**Dolphin Axis D10** 10 Meter Linear Axis (5 × 2 m modules)	≈ 9.400 mm (10.004 mm)	150 kg (Max.)	• 150 kg carriage load • Helical rack & pinion drive • Servo motor ready • 5 × 2 m modules, 15 floor supports • Weight approx. 570 kg • Cable carrier ready • Compatible with all major cobots
	DA-12000 Dolphin Axis D12	**Dolphin Axis D12** 12 Meter Linear Axis (6 × 2 m modules)	≈ 11.400 mm (12.004 mm)	150 kg (Max.)	• 150 kg carriage load • Helical rack & pinion drive • Servo motor ready • 6 × 2 m modules, 18 floor supports • Weight approx. 670 kg • Cable carrier ready • Compatible with all major cobots

TECHNICAL SPECIFICATIONS (ALL MODELS)

Carriage Load (Max.)	150 kg
Drive System	Helical Rack & Pinion
Repeatability	±0,05 mm
Max. Speed	0,6 m/s
Acceleration (Max.)	2,0 m/s²
Positioning Accuracy	±0,1 mm
Motor Interface	Servo Motor (Flange Mounted)
Linear Guide	Ewellix / Hiwin / PMI
Structure	Steel, Powder Coated
Protection	IP54 (Standard)
Temperature Range	0°C ~ +45°C
Installation	Floor Mounted

INCLUDED IN ALL MODELS

- Steel structure and carriage
- Precision linear guide system
- Rack & pinion drive system
- Servo motor mounting plate
- Limit switch brackets
- Cable carrier brackets
- Painted premium body
- Fully assembled mechanical unit

AVAILABLE OPTIONS

- Servo Package
- Gearbox Package
- Electrical Cabinet
- External Axis Integration
- Safety Package
- Bellows Cover
- 1 m Support Columns
- Energy Chain
- Automatic Lubrication System
- Additional Home Sensor
- HD Carriage / HD Base

COMPATIBLE WITH MAJOR COBOT BRANDS

UNIVERSAL ROBOTS
ABB
RBW
FANUC
KUKA
DOBOT
TECHMAN ROBOT
And More

MODULAR BY DESIGN – GROW WITH YOUR NEEDS

All models are built with 2 meter modules.
Easily extend your system by adding modules to reach the exact length you need.

NOTE: All systems are delivered as mechanical platforms. Integration, programming and commissioning are to be performed by the customer or local integrator.

CRAB AXIS

PILLAR & GANTRY MOTION SYSTEMS

CRAB AXIS series delivers modular pillar and gantry motion solutions for cobot automation systems.

Designed for welding, machine tending, palletizing and large-area robotic applications.

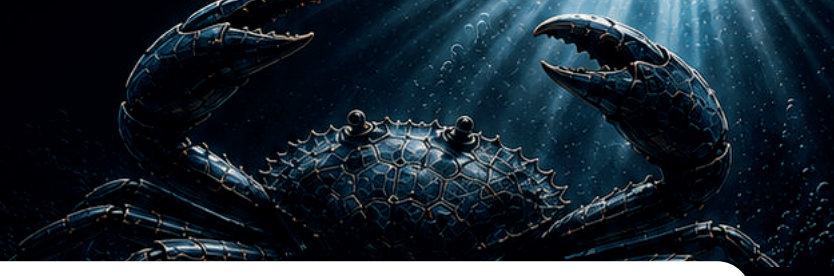
Built with rigid industrial structure and universal cobot compatibility.

STRONG.
MODULAR.
BUILT TO PERFORM.

MODULAR DESIGN | VERTICAL AXIS | ROTARY AXIS INTEGRATION | GANTRY COMPATIBLE | UNIVERSAL COBOT COMPATIBLE | SERVO READY

CRAB AXIS

LINEAR SYSTEMS FOR COBOT



MAX 150 KG PAYLOAD
Designed for cobots. Safe and reliable movement.

OVERHEAD SOLUTION
Ceiling or steel structure mounted. Space saving and efficient.

FLEXIBLE STROKE
X axis 3-15 m
Y/Z axis 1-2 m
slider options.

MODULAR SYSTEM
Y, Z, R axis and tower options to fit your application.

SAFE & RELIABLE
Engineered for industrial environments and continuous operation.

SERIES	PRODUCT CODE	PRODUCT NAME	X AXIS STROKE (HORIZONTAL)	Y AXIS STROKE (HORIZONTAL)	Z AXIS STROKE (VERTICAL)	R AXIS ROTARY	CARRIAGE LOAD (CAPACITY)	MAIN FEATURES
CRAB AXIS WITH R AXIS Overhead Linear System with Rotary Axis	**CA-3000**	**Crab Axis 3000** 3 Meter Linear Axis Module	3 Meter	1-2 Meter	1-2 Meter	With R Axis	150 kg (Max.)	• 150 kg carriage load • High precision rack & pinion drive • Servo motor ready • Modular steel structure • Cable carrier ready • Easy to extend in 3 m modules • Compatible with all major cobots
	CA-6000	**Crab Axis 6000** 6 Meter Linear Axis (2 x 3 m Modules)	6 Meter	1-2 Meter	1-2 Meter	With R Axis	150 kg (Max.)	
	CA-9000	**Crab Axis 9000** 9 Meter Linear Axis (3 x 3 m Modules)	9 Meter	1-2 Meter	1-2 Meter	With R Axis	150 kg (Max.)	
	CA-12000	**Crab Axis 12000** 12 Meter Linear Axis (4 x 3 m Modules)	12 Meter	1-2 Meter	1-2 Meter	With R Axis	150 kg (Max.)	• 150 kg carriage load • High precision rack & pinion drive • Servo motor ready • Modular steel structure • Cable carrier ready
	CA-15000	**Crab Axis 15000** 15 Meter Linear Axis (5 x 3 m Modules)	15 Meter	1-2 Meter	1-2 Meter	With R Axis	150 kg (Max.)	
CRAB AXIS WITHOUT R AXIS Overhead Linear System with Rotary Axis	**CA-3000-NR**	**Crab Axis 3000** 3 Meter Linear Axis Module	3 Meter	1-2 Meter	1-2 Meter	Without R Axis	150 kg (Max.)	• 150 kg carriage load • High precision rack & pinion drive • Servo motor ready • Modular steel structure • Cable carrier ready
	CA-6000-NR	**Crab Axis 6000** 6 Meter Linear Axis (2 x 3 m Modules)	6 Meter	1-2 Meter	1-2 Meter	Without R Axis	150 kg (Max.)	
	CA-9000-NR	**Crab Axis 9000** 9 Meter Linear Axis (3 x 3 m Modules)	9 Meter	1-2 Meter	1-2 Meter	Without R Axis	150 kg (Max.)	
	CA-12000-NR	**Crab Axis 12000** 12 Meter Linear Axis (4 x 3 m Modules)	12 Meter	1-2 Meter	1-2 Meter	Without R Axis	150 kg (Max.)	
	CA-15000-NR	**Crab Axis 15000** 15 Meter Linear Axis (5 x 3 m Modules)	15 Meter	1-2 Meter	1-2 Meter	Without R Axis	150 kg (Max.)	
FIXED TOWER (NO AXIS) Overhead Linear System with Rotary Axis	**CA-TOWER-3**	Fixed Tower 3m	—	—	1-2 Meter	—	150 kg (Max.)	• Steel tower structure • Cobot mounting plate • Cable management • Compatible with all Crab Axis series
	CA-TOWER-6	Fixed Tower 6m	—	—	1-2 Meter	—	150 kg (Max.)	
	CA-TOWER-9	Fixed Tower 9m	—	—	1-2 Meter	—	150 kg (Max.)	
	CA-TOWER-12	Fixed Tower 12m	—	—	1-2 Meter	—	150 kg (Max.)	
	CA-TOWER-15	Fixed Tower 15m	—	—	1-2 Meter	—	150 kg (Max.)	

TECHNICAL SPECIFICATIONS (ALL MODELS)

Carriage Load (Max.)	150 kg
Drive System	Helical Rack & Pinion
Repeatability	±0,05 mm
Max. Speed	2,0 m/s
Acceleration (Max.)	2,0 m/s²
Positioning Accuracy	±0,1 mm
Motor Interface	Servo Motor (Flange Mounted)
Linear Guide	Hiwin / PMI / Equivalent
Structure	Steel, Powder Coated
Protection	IP54 (Standard)
Temperature Range	0°C ~ +45°C
Installation	Floor Mounted

INCLUDED IN ALL MODELS

- Steel structure and carriage
- Precision linear guide system
- Rack & pinion drive system
- Servo motor mounting plate
- Limit switch brackets
- Cable carrier brackets
- Painted premium body
- Fully assembled mechanical unit

AVAILABLE OPTIONS

- Servo Package
- Gearbox Package
- Electrical Cabinet
- External Axis Integration
- Safety Package
- Bellows Cover
- Floor Stand / Support Legs
- Energy Chain
- Automatic Lubrication System
- Additional Home Sensor

COMPATIBLE WITH MAJOR COBOT BRANDS

UNIVERSAL ROBOTS
ABB
RB
FANUC
KUKA
DOBOT
TECHMAN ROBOT
And More

COBOMOTION | SMART MOTION SYSTEMS FOR COBOTS

BUILT FOR REAL PERFORMANCE

STINGRAY AXIS

TILT-TURN
ROBOTIC POSITIONING SYSTEMS

STINGRAY AXIS series delivers high precision tilt-turn solutions for cobot and robot applications.

Compact, powerful and flexible design for welding, assembly, positioning and complex motion requirements.

Engineered for maximum accuracy and smooth performance.

PRECISION
FLEXIBILITY
PERFORMANCE

HIGH PRECISION
Accurate tilt and rotation control

COMPACT DESIGN
Space saving and easy integration.

TILT & TURN
Wide range of motion for complex tasks.

SERVO DRIVEN
Smooth and powerful performance.

STRONG & RIGID
Heavy duty structure for industry

UNIVERSAL COBOT
Compatible with all major cobot brands.

STINGRAY AXIS

UNIVERSAL COBOTIC POSITIONING SYSTEMS

HIGH PRECISION
Accurate positioning for demanding applications.

ROBUST & RELIABLE
Industrial grade structure for long life.

MODULAR DESIGN
3 meter modules, easy to extend.

COBOT COMPATIBLE
Compatible with all major cobot brands.

SERVO READY
Ready to integrate with servo systems.

SERIES	PRODUCT CODE	PRODUCT NAME	DESCRIPTION	TABLE DIAMETER	PAYLOAD CAPACITY
1.STANDARD SERIES Universal Rotary Positioners Cost-Effective Solutions		**SA-M50** Stingray Axis 50	Ideal for showroom, training and fixture applications.	Ø500 mm	50 kg
		SA-M100 Stingray Axis 100	Heavy duty rotary table.	Ø700 mm	100 kg
		SA-MG100 Stingray Axis Gear 100	Gear driven rotary table.	Ø700 mm	100 kg
2.LITE SERIES Single Axis Motorized Economic Series Universal Ready		**SA-L100** Stingray Axis Lite 100	Motorized rotary table. Compact and economical.	Ø500 mm	100 kg
		SA-L300 Stingray Axis Lite 300	More robust structure, higher capacity.	Ø900 mm	300 kg
		SA-L600 Stingray Axis Lite 600	Industrial grade heavy duty structure.	Ø1100 mm	600 kg
3.PRO SERIES High Precision Production Series Heavy Duty		**SA-P300** Stingray Axis Pro 300	High precision positioner. Ideal for production applications.	Ø900 mm	300 kg
		SA-P600 Stingray Axis Pro 600	Cobot welding and production applications.	Ø1100 mm	600 kg
		SA-P1200 Stingray Axis Pro 1200	Heavy industry and high capacity requirements.	Ø1400 mm	1200 kg
4.TILT SERIES Tilt + Rotary Dual Axis Positioners		**SA-T100** Stingray Axis Tilt 100	Compact tilt-turn positioner.	Ø500 mm	100 kg
		SA-T300 Stingray Axis Tilt 300	Ideal for welding and assembly applications.	Ø900 mm	300 kg
		SA-T600 Stingray Axis Tilt 600	Production grade tilt positioner.	Ø1100 mm	600 kg
5.TWIN SERIES Headstock -Tailstock Twin Table Systems For Long Workpieces		**SA-TW600** Stingray Axis Twin 600	Twin table system for long workpieces.	Ø600 mm	600 kg
		SA-TW1200 Stingray Axis Twin 1200	Chassis and pipe welding applications.	Ø1200 mm	1200 kg
		SA-TW HD Stingray Axis Twin HD	Heavy duty twin positioner.	Ø1500 mm	2000+ kg
6.HEAVY SERIES Large & Heavy Duty Positioners For Industrial Applications		**SA-H2000** Stingray Axis Heavy 2000	For heavy industry applications.	Ø1800 mm	2000 kg
		SA-H5000 Stingray Axis Heavy 5000	Tank, pipe and roll welding applications.	Ø2500 mm	5000 kg

INCLUDED IN ALL MODELS

- Steel structure and table
- Bearing system
- Precision machining
- Motor & gearbox interface preparation
- Sensor infrastructure
- Painted premium body
- Fully assembled mechanical unit

AVAILABLE OPTIONS

- Servo Package
- Gearbox Package
- Electrical Cabinet
- External Axis Integration
- Safety Package
- Custom Fixture Interface
- Special Table Diameters

COMPATIBLE WITH MAJOR COBOT BRANDS

UNIVERSAL ROBOTS
ABB
RB
FANUC
KUKA
DOBOT
TECHMAN ROBOT
And More

COBOMOTION | SMART MOTION SYSTEMS FOR COBOTS

BUILT FOR REAL PERFORMANCE

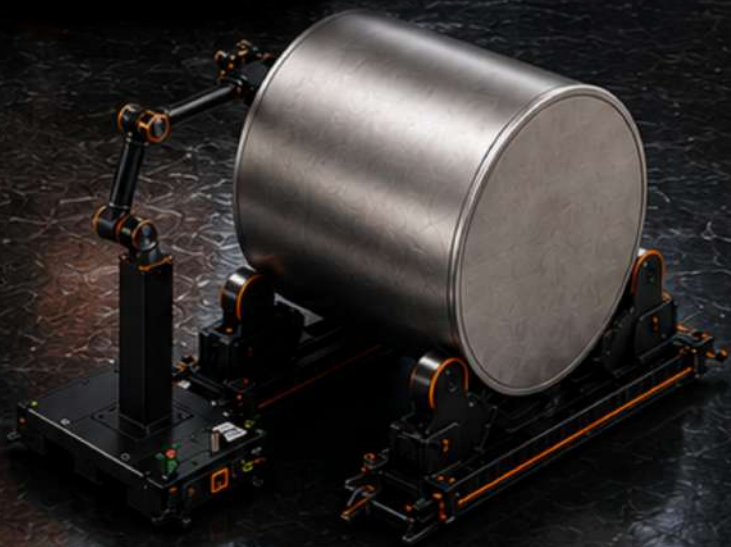
TURTLE AXIS

MOBILE COBOT WELDING PLATFORMS

Turtle Axis series is a mobile cobot welding platform designed for flexible and efficient welding operations.

Built on a robust industrial trolley structure, Turtle Axis allows welding systems to be easily relocated between workstations while maintaining stability and accuracy.

Designed for workshops, fabrication facilities and production environments requiring flexible automation.



FLEXIBLE TODAY. READY FOR AUTOMATION TOMORROW.

PAYLOAD CAPACITY	MOBILE PLATFORM	ELECTRICAL SYSTEM	AUTOMATION READY	SAFETY	WELDING READY	CUSTOMIZATION
Up to 500 kg (Model dependent)	Manual relocation between workstations	Industrial power supply ready	PLC & Factory Integration	Emergency Stop & Industrial Safety	Compatible with major welding power sources	Optional tool mounts and accessories

TURTLE AXIS

MOBILE COBOT WELDING PLATFORMS

MOBILE PLATFORM
Easy relocation between workstations.

ROBUST & RELIABLE
Heavy-duty industrial steel structure.

AUTOMATION READY
PLC and factory integration ready.

COBOT COMPATIBLE
Compatible with all major cobot brands.

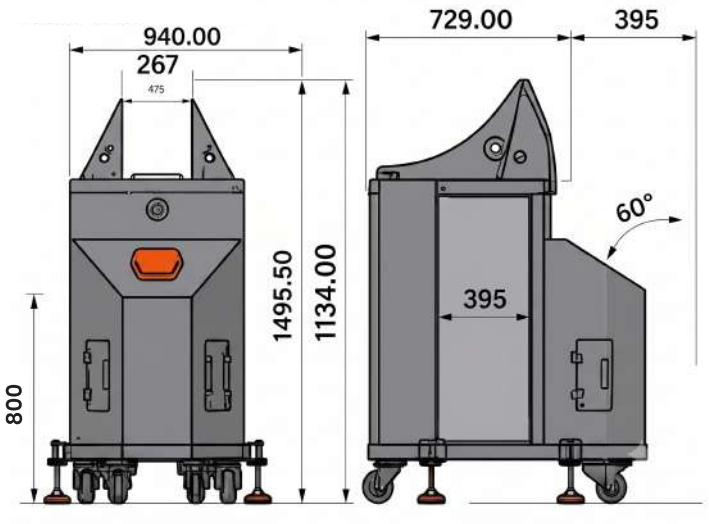
WELDING READY
Designed for welding automation applications.

SERVICE READY
Ready to integrate with servo systems.

COMPATIBLE WITH ALL COBOT BRANDS

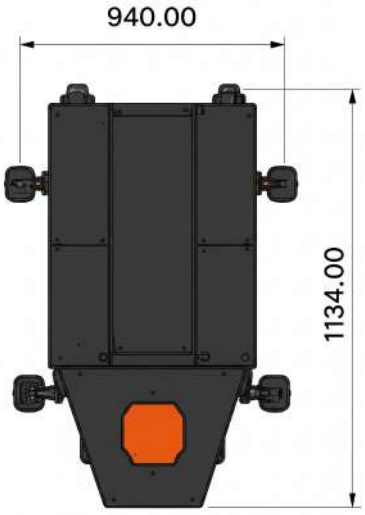
UNIVERSAL ROBOTS
ABB
RB
KUKA
FANUC
DOBOT
TECHMAN ROBOT

AND MORE...



MODEL	TA-250
Total Weight	250 kg
Dimensions (LxWxH)	1200 x 800 x 1500 mm (without lift)
Payload Capacity	Up to 500 kg (On Lift)
Compatibility - Cobots	All major brands /TECHMAN / DOBOT UR / ABB / FANUC / KUKA / OTHERS
Compatibility - Welding Machines	All major brands /MIG / MAG / TIG ...
Control System	Built in PLC
I/O Modules	Digital IN/OUT - Analog IN/OUT (Expandable)
Power Supply	380v AC, 3 Phase, 50/60 HZ (opt. 220v)
Caster Wheels	Heavy Duty, With Brakes
Gas Cylinder Capacity	Up to 20 L (Optional)
Lift System (Optional)	Electric Lift, Stroke up to 500 mm
Operating Temperature	0-45 C
Protection Class	IP54

TOP VIEW



STANDARD FEATURES

- Heavy duty metal structure
- Integrated cable management
- Welding power source shelf
- Gas cylinder compartment (optional)
- Emergency stop and safety circuit
- Quick robot and torch connection
- Tool holder & accessory areas
- Ventilation system for power source
- Leveling feet and locking casters

FAST SETUP – START WELDING IN MINUTES

1. Move the trolley to your work area
2. Connect power, gas and robot
3. Select program on HMI
4. START welding

ONE PLATFORM ENDLESS COMPATIBILITY
Works with all cobots and all welding machines.

SMART INVESTMENT
Robot or welder may change, your trolley stays.

MAXIMUM FLEXIBILITY
Use in multiple workstations and applications.

HIGH PRODUCTIVITY
Save time, reduce costs, increase efficiency.

INCLUDED IN ALL MODELS

- Steel chassis structure
- Industrial caster system
- Adjustable leveling feet
- Emergency stop system
- Precision machining
- Powder coated body
- Cable routing preparation
- Fully assembled mechanical unit

AVAILABLE OPTIONS

- Welding machine mount
- Gas cylinder holder
- Tool cabinet
- Touch screen panel
- Rotary positioner integration
- PLC package
- Signal tower
- Custom branding
- Additional cable management
- Robot docking fixture

TECHNICAL SPECIFICATIONS (ALL MODELS)

Structure	: Welding Steel Construction
Surface Finish	: Powder Coated
Mobility	: Manual Relocation
Power Supply	: 380V / 50Hz
Safety System	: Emergency Stop
Integration	: PLC Ready
Communication	: I/O Ready
Cobot Compatibility	: Universal
Protection Class	: IP54
Color	: Black & Orange

TOTAL WEIGHT
250 kg
HEAVY DUTY STRUCTURE

COBOMOTION
SMART MOTION SYSTEMS FOR COBOTS
COBOMOTION offers modular motion systems specifically developed for cobot applications.
We are by your side in every field of production with an approach of high performance, flexible structure, and easy integration.
BUILT FOR REAL PERFORMANCE
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