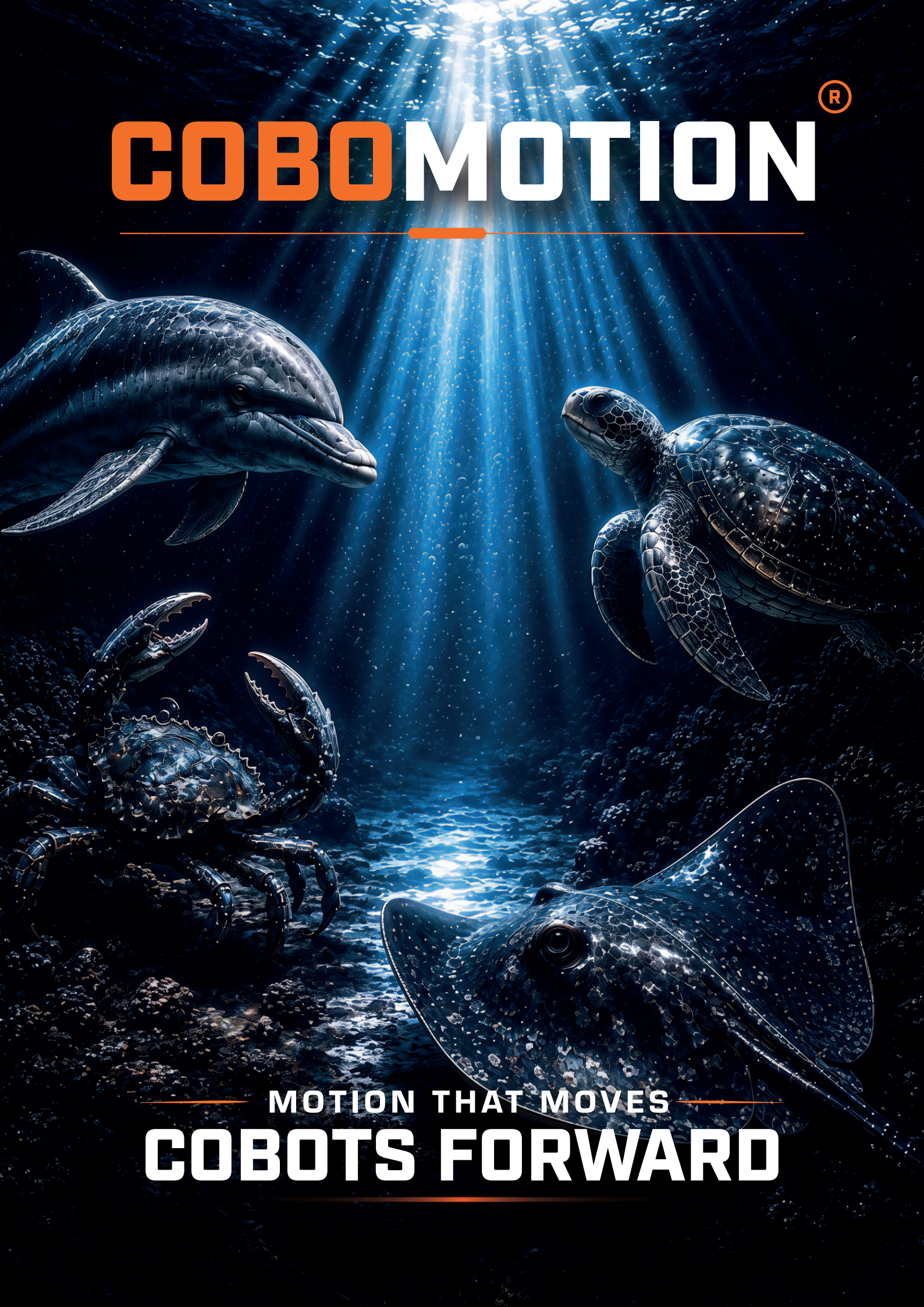


An underwater scene featuring four robotic animals: a dolphin on the left, a sea turtle on the right, a crab on the bottom left, and a stingray on the bottom right. Sunlight rays penetrate the water from the top, creating a dramatic blue and white lighting effect. The animals have a metallic, scaly texture.

COBO[®]MOTION

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.

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.



Modular linear motion systems for cobots.



Pillar and gantry motion systems.



Tilt-turn robotic positioning systems.



Mobile cobotic welding platforms.

COMMON PLATFORM BENEFITS



MODULAR
DESIGN



UNIVERSAL
COBOT COMPATIBLE



SERVO
READY



HEAVY DUTY
STRUCTURE



PLUG & PLAY
ARCHITECTURE



BUILT IN
TÜRKİYE

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

500 – 6000 mm



PAYLOAD CAPACITY

Up to 250 kg



REPEATABILITY

±0.05 mm



MAX SPEED

Up to 3 m/s



DRIVE SYSTEM

Servo Motor



GUIDE SYSTEM

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
3 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 (LENGTH)	CARRIAGE LOAD (CAPACITY)	MAIN FEATURES
	DA-3000 Dolphin Axis 3000	Dolphin Axis 3000 3 Meter Linear Axis Module	3.000mm (3 m)	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
	DA-6000 Dolphin Axis 6000	Dolphin Axis 6000 6 Meter Linear Axis (2x3 m Modules)	6.000mm (6 m)	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
	DA-9000 Dolphin Axis 9000	Dolphin Axis 9000 9 Meter Linear Axis (3x3 m Modules)	9.000mm (9 m)	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
	DA-12000 Dolphin Axis 12000	Dolphin Axis 12000 12 Meter Linear Axis (4 x 3 Modules)	12.000mm (12 m)	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
	DA-15000 Dolphin Axis 15000	Dolphin Axis 15000 15 Meter Linear Axis (5 x 3 Modules)	15.000mm (15 m)	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



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

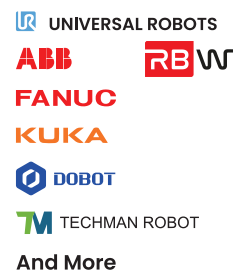


AVAILABLE OPTIONS

- 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



And More



MODULAR BY DESIGN – GROW WITH YOUR NEEDS

All models are built with 3 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.

COBOMOTION

SMART MOTION SYSTEMS FOR COBOTS



BUILT FOR REAL PERFORMANCE

CRAB AXIS

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

COBOMOTION

SMART MOTION SYSTEMS FOR COBOTS



BUILT FOR REAL PERFORMANCE

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.)	
	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**  **RBW**
 **FANUC**
 **KUKA**
 **DOBOT**
 **TECHMAN ROBOT**
And More



STINGRAY AXIS

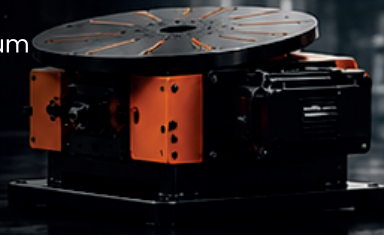
STINGRAY AXIS

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.

COBOMOTION

SMART MOTION SYSTEMS FOR COBOTS



BUILT FOR REAL PERFORMANCE

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

REW

FANUC

KUKA



DOBOT



TECHMAN ROBOT

And More



TURTLE AXIS

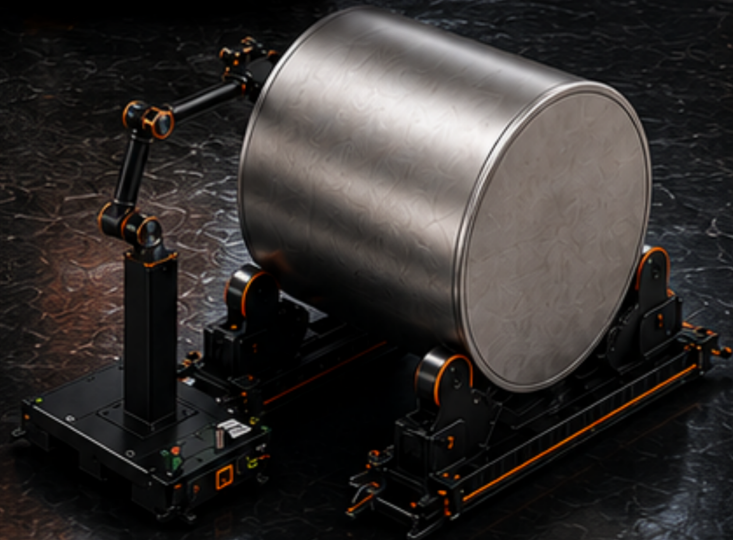
TURTLE AXIS

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

Up to 500 kg
(Model dependent)



MOBILE PLATFORM

Manual relocation
between workstations



ELECTRICAL SYSTEM

Industrial power
supply ready



AUTOMATION READY

PLC & Factory
Integration



SAFETY

Emergency Stop &
Industrial Safety



WELDING READY

Compatible with major
welding power sources



CUSTOMIZATION

Optional tool mounts
and accessories

COBOMOTION

SMART MOTION SYSTEMS FOR COBOTS



BUILT FOR REAL PERFORMANCE

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 RBW

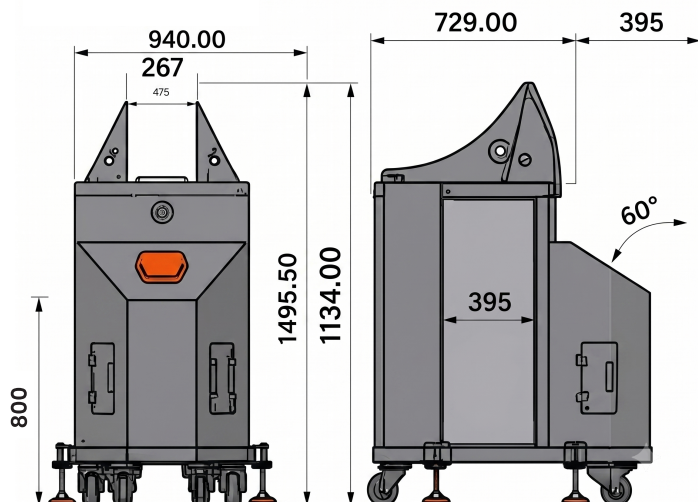
KUKA

FANUC

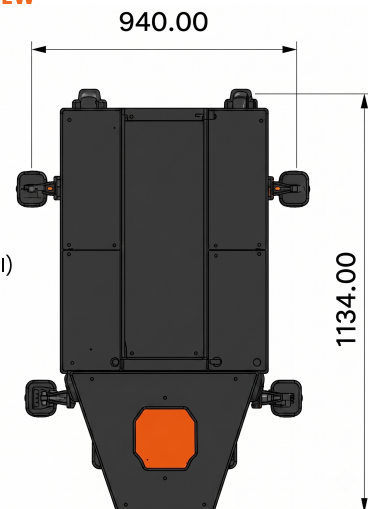
DOBOT

TECHMAN ROBOT

AND MORE...



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

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

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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