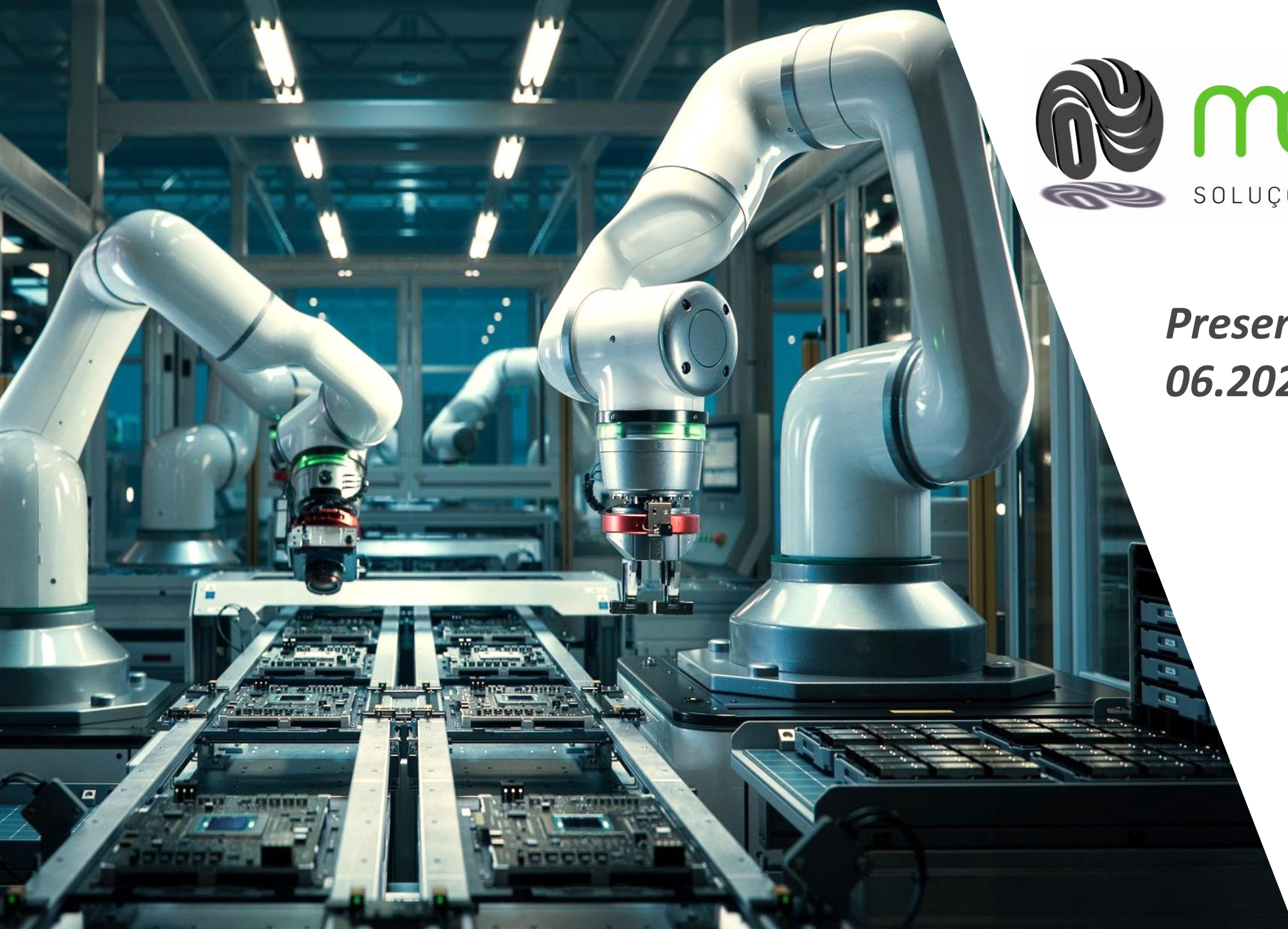


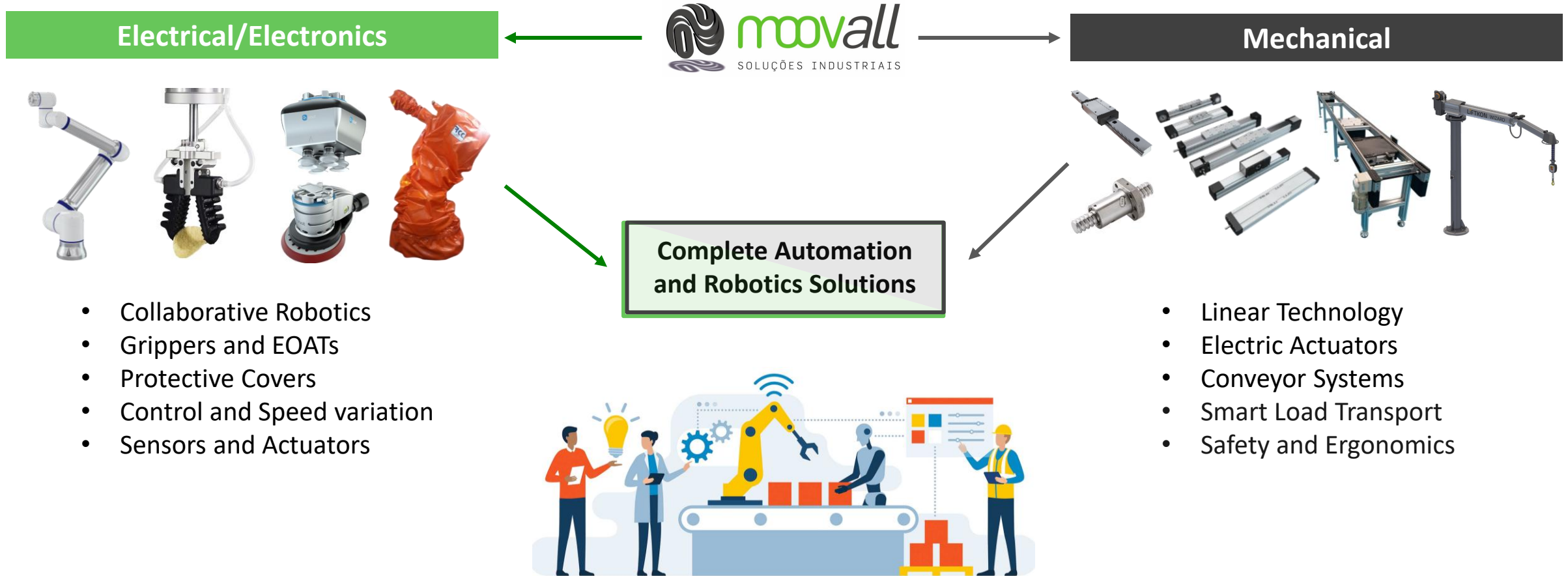


moovall

SOLUÇÕES INDUSTRIAIS

Presentation
06.2025

Areas of Activity



Brands



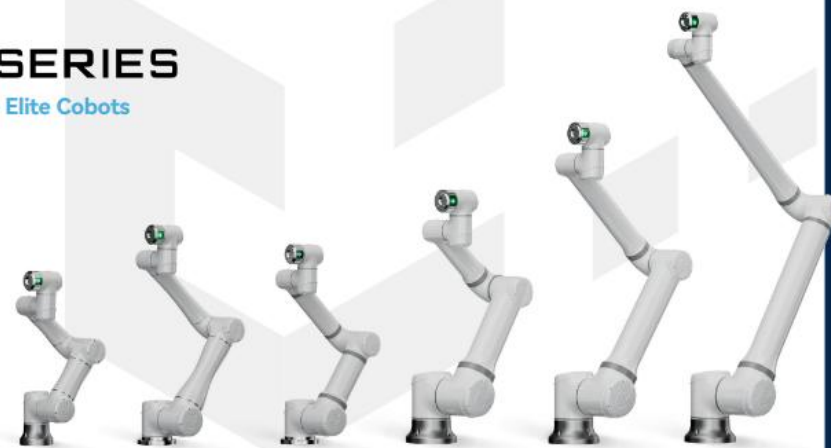
Products



Collaborative Robots

EC SERIES

Meet the Elite Cobots



	EC63	EC66	EC68-08	EC616	EC612	EC64-19
 PAYLOAD	3 kg	6 kg	8 kg	16 kg	12 kg	4 kg
 RADIUS	624 mm	914 mm	820 mm	954 mm	1304 mm	1900 mm
 ACCURACY	±0.02 mm	±0.03 mm	±0.03 mm	±0.03 mm	±0.05 mm	±0.1 mm
 MAX TCP SPEED	2.0 m/s	2.8 m/s	2.5 m/s	2.8 m/s	3.2 m/s	4.0 m/s



PROGRAMMING:
Lua-script, free-drag/offline
programming



IO SIGNALS:
Controller: 16 DI / 20 DO (8 config.),
def. NPN (DI adjust. PNP)
Terminal: 2 x TL, 2 x TO



COMMUNICATION:
1x Ethernet port, 1x RS485,
TCP/IP, MODBUS TCP/RTU,
Ethernet/IP, Profinet, CCLink



SAFETY:
ISO 10218



IP PROTECTION RATING:
Arm: IP54
Controller: IP44



TOOL POWER CAPACITY:
24V/2A; RS485



TEACH PENDANT:
Industrial panel with 8" resistive
touch screen



Products

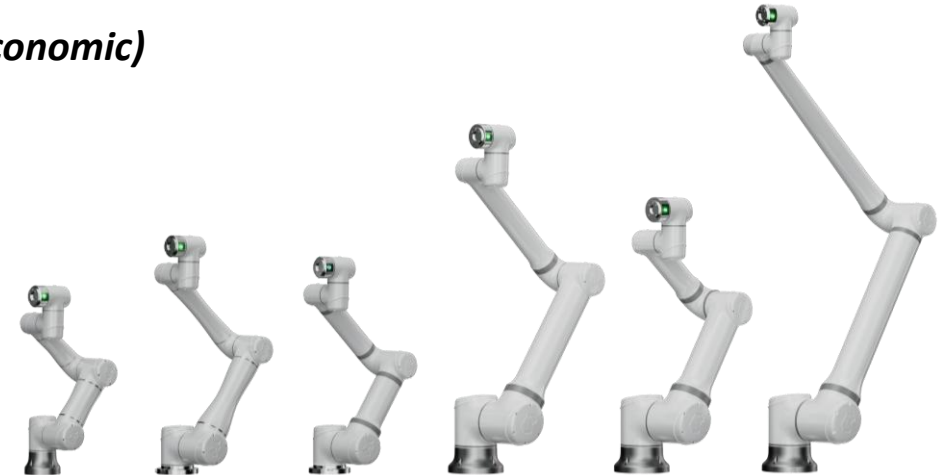


Collaborative Robots – *ELITE EC Series* (Economic)

- **PAYLOAD:** 3-16 kg
- **REACH:** 624-1900 mm
- **ACCURACY:** ± 0.02 -0.1 mm
- **PROGRAMMING:** JBI, LUA, Ladder, free drag
- **I/O SIGNALS:**
 - Controller: 16x DI, 20x DO, 2x AI, 4x AO
 - Terminal: 2x DI, 2x DO, 1x AI, 1x AO
- **COMMUNICATION:**
 - 1x Ethernet port, 1x RS485
 - TCP/IP, MODBUS TCP/RTU, Ethernet/IP, Profinet, CCLink
- **IP PROTECTION RATING:**
 - Controller: IP44
 - Arm: IP54
 - Teach Pendant: IP65
- **TOOL POWER CAPACITY:** M12; 24V/2A; RS485
- **TEACH PENDANT:** Industrial panel, 8" touch screen



Free-drive and
drag-and-teach
function



PROFI
NET

CC-Link

RS 485
RS 232

EtherNet/IP

Modbus

Products

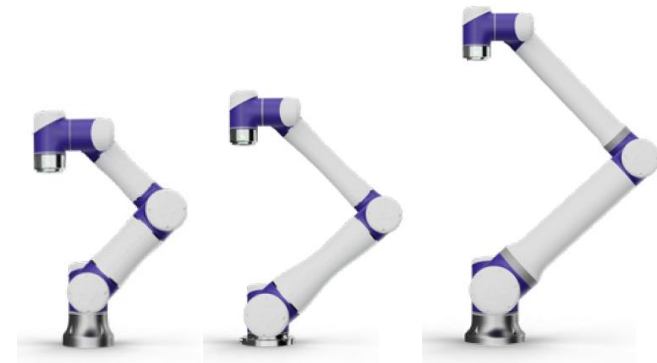


Collaborative Robots – *ELITE EA Series* (Education)

- **PAYLOAD:** 3-12 kg
- **REACH:** 624-1304 mm
- **ACCURACY:** ± 0.03 -0.1 mm
- **PROGRAMMING:** JBI, LUA, Ladder, free drag
- **I/O SIGNALS:**
 - Controller: 16x DI, 20x DO, 2x AI, 4x AO
 - Terminal: 2x DI, 2x DO, 1x AI, 1x AO
- **COMMUNICATION:**
 - 1x Ethernet port, 1x RS485
 - TCP/IP, MODBUS TCP/RTU, Ethernet/IP, Profinet, CCLink
- **IP PROTECTION RATING:**
 - Controller: IP44
 - Arm: IP54
 - Teach Pendant: IP65
- **TOOL POWER CAPACITY:** M12; 24V/2A; RS485
- **TEACH PENDANT:** Industrial panel, 8" touch screen



Free-drive and
drag-and-teach
function



PROFI
NET

CC-Link

RS 485
RS 232

EtherNet/IP

Modbus

Modular Welding Solutions



EASYCELL MV PRO



PLUG&PLAY
System



Accessible
Display



Drag
Kit



Advanced
Function



Modular Welding Solutions



With collaborative robots - Easycell



MV



MF



TWIN

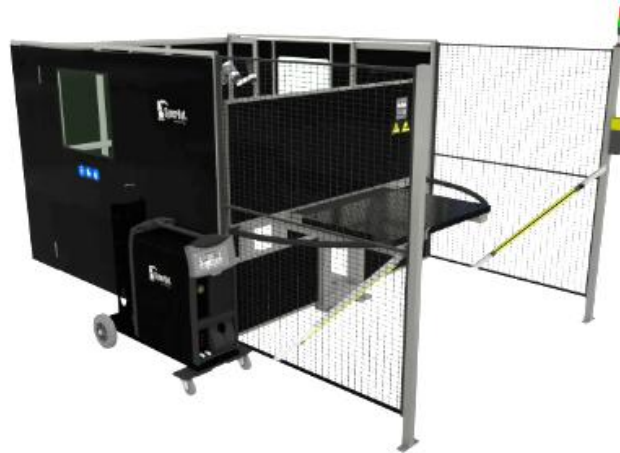
Modular Welding Solutions



With collaborative robots - Flexycell



M-TWIN



AUTO-TWIN

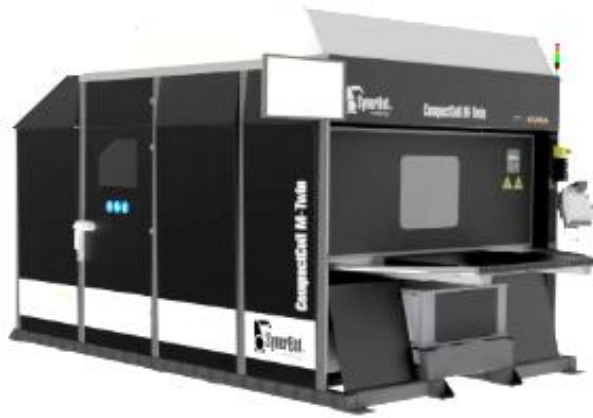


TRACK-TWIN

Modular Welding Solutions



With industrial robots – Compactcell



M-TWIN



AUTO-TWIN



AUTO-TWIN MT

Welding components



Robotic Torches



BOT-30G 300A Gas
cooling



BOT-32W 350A Liquid
cooling



BOT-31EC 350A Liquid
cooling



BOT-41EC 400A Liquid
cooling



BOT-40W 500A Liquid
cooling



BOT-50W 550A liquid
cooling

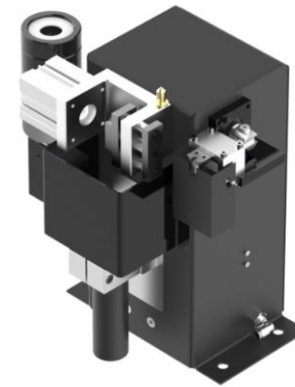


BOT-60W 600A Liquid
cooling



T5W 400A Liquid
cooling

Peripherals



BOT clean station CS2



TCP control BOT



iBOT anti-collision
coaxial shaft



eBOT anti-collision
external axis

Products



Electrical and Vacuum Grippers



RG2-FT FINGER GRIPPER



2FG14 FINGER GRIPPER



2FG7 FINGER GRIPPER



3FG15 FINGER GRIPPER



VG10 VACUUM GRIPPER



VGC10 VACUUM GRIPPER



ONROBOT SCREWDRIVER



ONROBOT SANDER



2FGP20 PALLETIZER GRIPPER



MG10 MAGNETIC GRIPPER



GECKO GRIPPER



VGP20 VACUUM GRIPPER



SOFT GRIPPER



ONROBOT EYES



LIFT100 ROBOT ELEVATOR



QUICK CHANGER

Products



Soft Grippers



Products



Robot Protection Systems



Atex



Food



Machining



Welding



Painting



High/Low Temperature



Medical

Products

UNIMOTION

Linear Technology



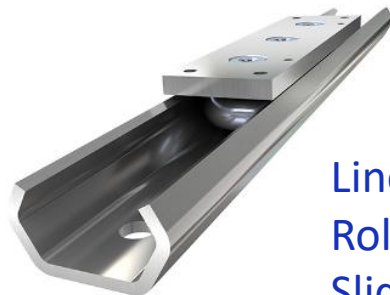
Rail
Guides



Precision
Shafts



Ball
Screws



Linear
Roller
Slides



Linear
Ball
Bearings



Support
Units for
Screws

Products

UNIMOTION

Toothed Belt Drive - Synchrobelt



CTJ Series

90, 110,
145, 200



MTJ Series

40, 65,
80, 110



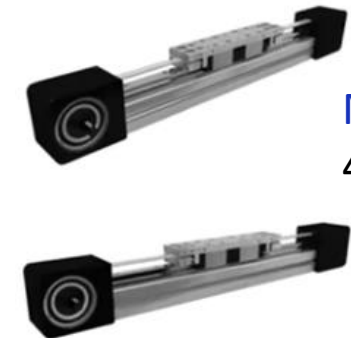
MRJ Series

40, 65,
80, 110



MTJZ Series

40, 65,
80, 110



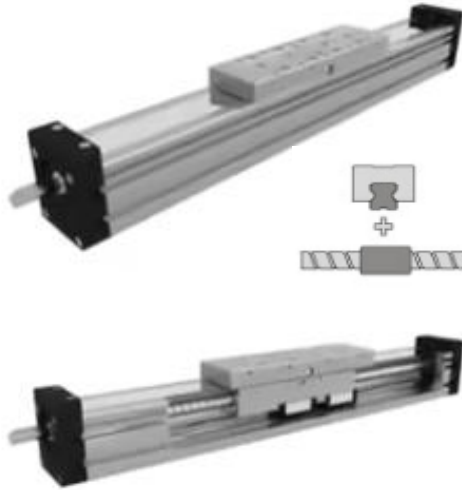
MTJ Eco Series

40

Products

UNIMOTION

Ball Screw Drive



MTV Series
65, 80, 110



CTV Series
90, 110
145, 200



MGBS Linear Units
32, 45, 60

Products

UNIMOTION

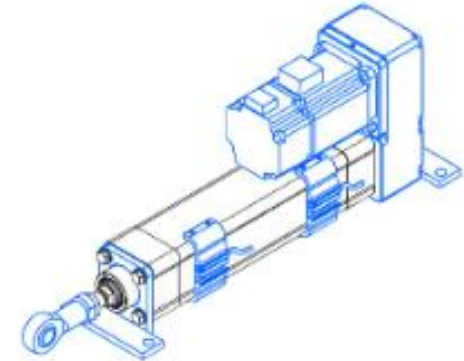
Electric Cylinders



PNCE ISO 15552
32, 40, 50,
63, 80, 100



MCE Plug & Drive
25, 32, 45



Accessories

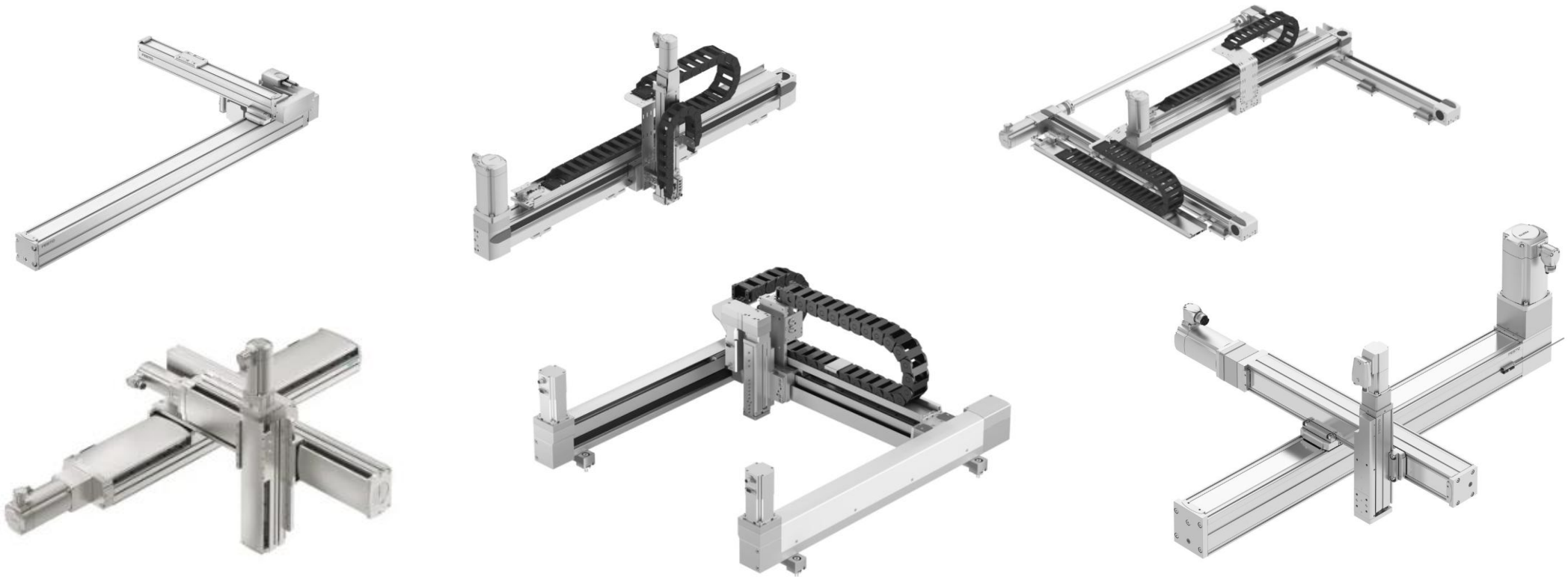


MSCE Plug & Drive
25, 32, 45

Products

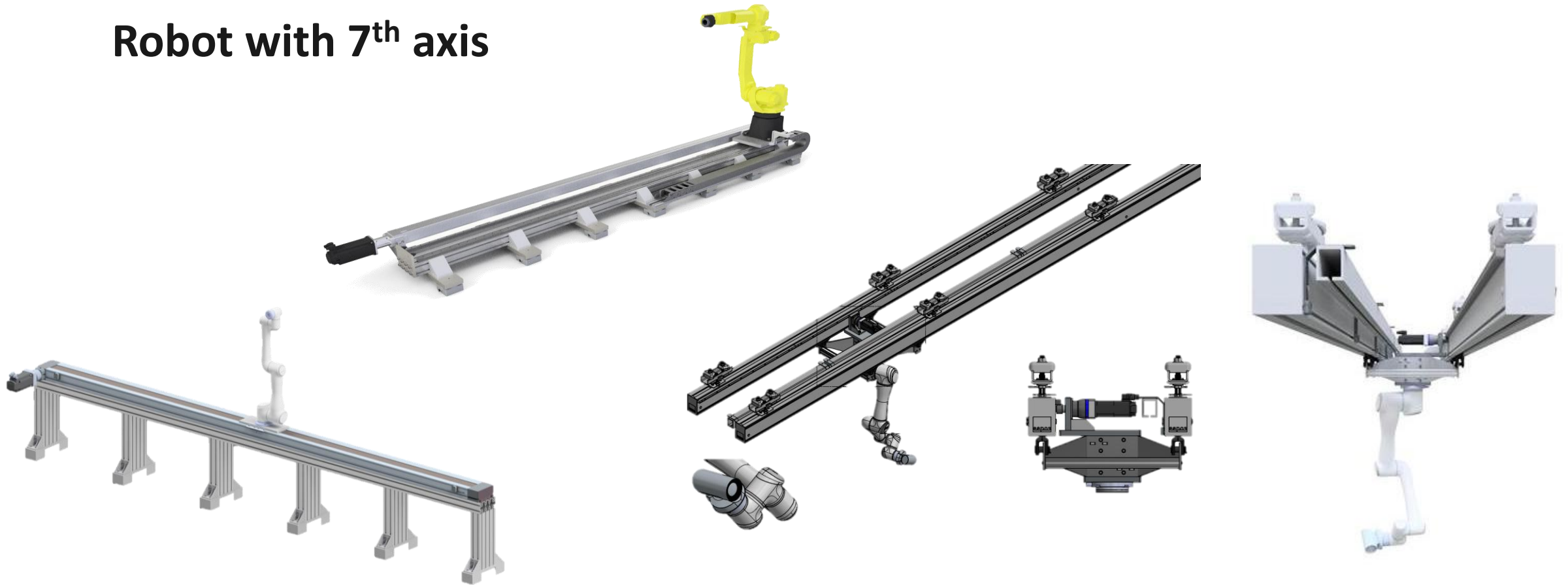
UNIMOTION

Servo Manipulators and Cartesian Robots



Integrated Solutions

Robot with 7th axis



Products

DC controllers, DC Motors, Stepper Motors, DC Linear Actuators, Encoders, External Brakes, Gearboxes, ...



Products



Ultra-controlled Traceability in Screwing and Riveting Wireless Smart Technology



Screwdriving technology



Riveting technology



Controller



Torque measurement
technology



Torque wrench



Battery charging technology

Products



Electronic hand tools with controlled torque



Tube nut wrench



Brushless transducerized
precision tool



Brushless torque
multipliers



Brushless oil pulse tool

Products



Traceability in Screwing

Robotic Tightening



Assembly tools



Smart arm



Screwing solutions

ESTIC

Pistol Tools

1 N·m - 120 N·m

Torque Range



Right Angle Tools

4 N·m - 600 N·m

Torque Range



Straight Tools

1 N·m - 420 N·m

Torque Range



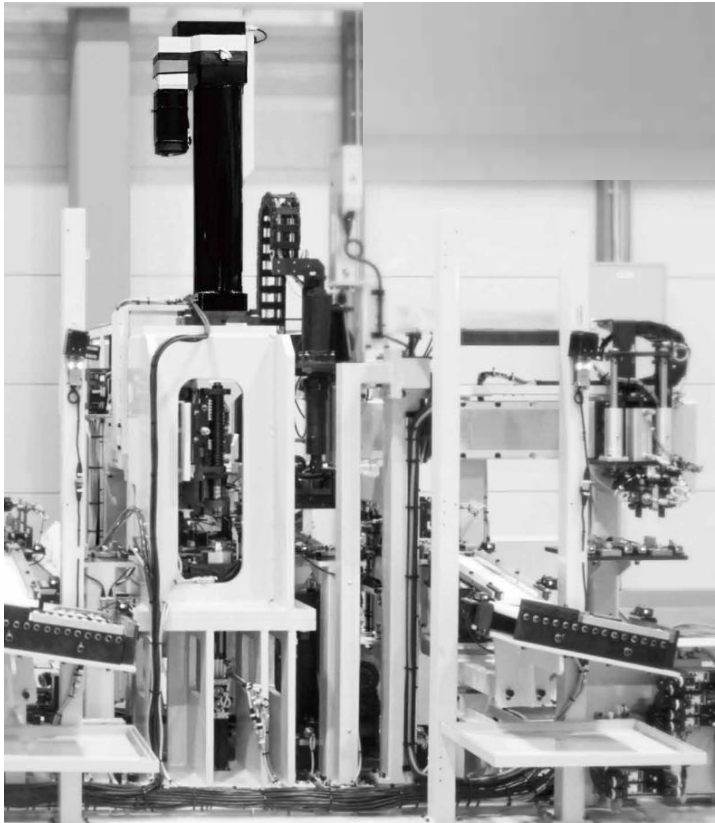
Pulse Tightening Technology - "ESTIC PULSE":

ESTIC has acquired patented technology to reduce the reaction torque towards the operator during tightening/torquing process, up to 70%

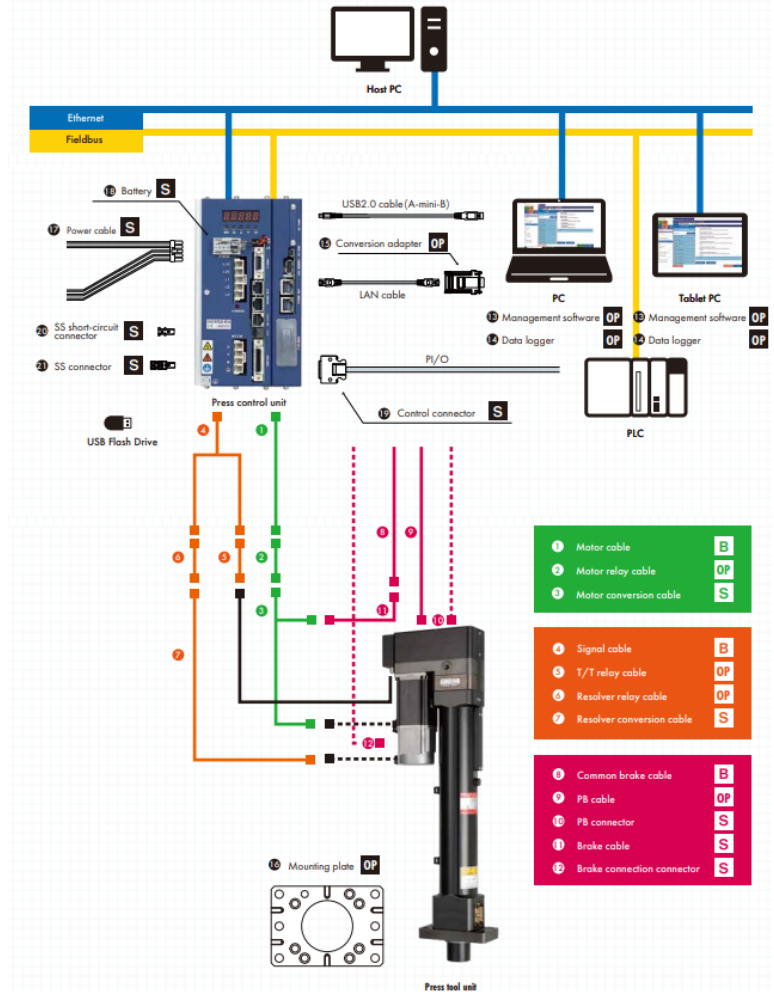


Products

Servo press



ESTIC



Products

EGROECO

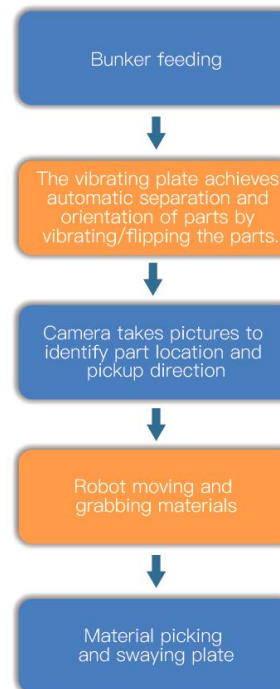
Flexible Integrated Systems – Small parts easy choice



Products

EGROECO

Flexible Feeding Systems



Products

eepos

Easy Load transport and Energy Supply Systems



Products



Zero Gravity Smart Load Transport and Lifting Systems



Products

Exoskeletons

Apex 2 Exosuit



- ✓ 360° freedom of movement
- ✓ 1kg comfortable and light
- ✓ 3 strip models
- ✓ Variety of sizes

IX Shoulder Air



- ✓ 360° freedom of movement
- ✓ 15% productivity improvement
- ✓ 40% reduction of fatigue in shoulder muscles and joints
- ✓ Adjustable size

Products



Industrial Ergonomics



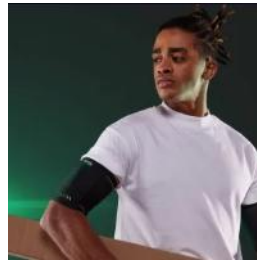
Apex 2 Exosuit



Artus



Back up Tool



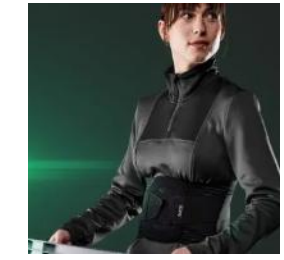
CX Cool Sleeve



CX Easy Neck



CX Power Thumb



CX Soft Back



CX Soft Wrist



FX Stick



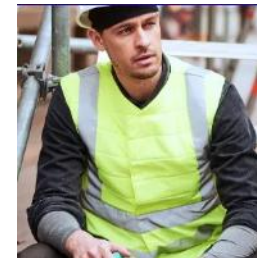
Ironhand



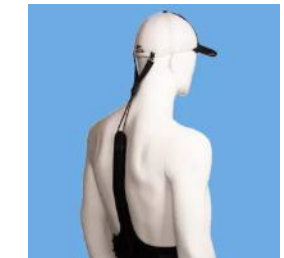
IX Back Air



IX Shoulder Air



Cooling clothes
e-cooline



Spineband Active

Products



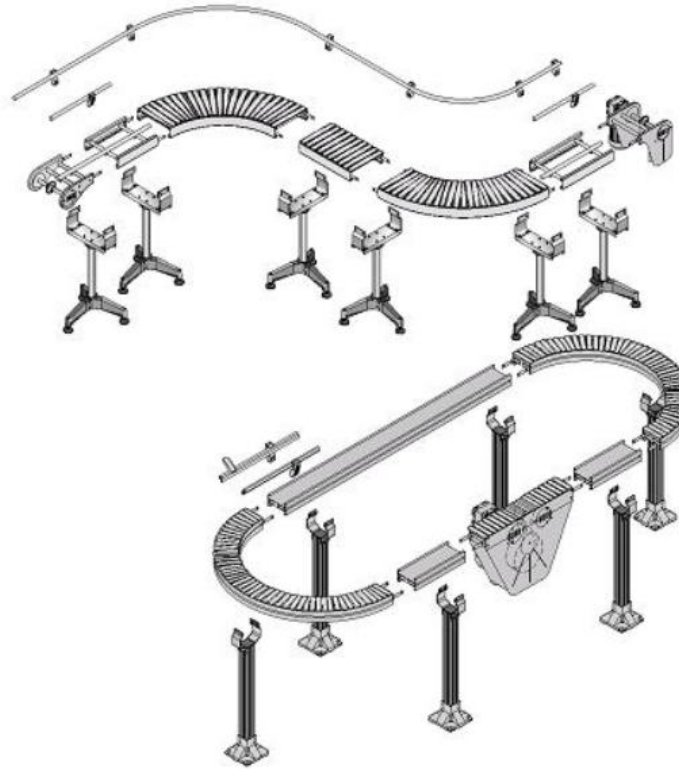
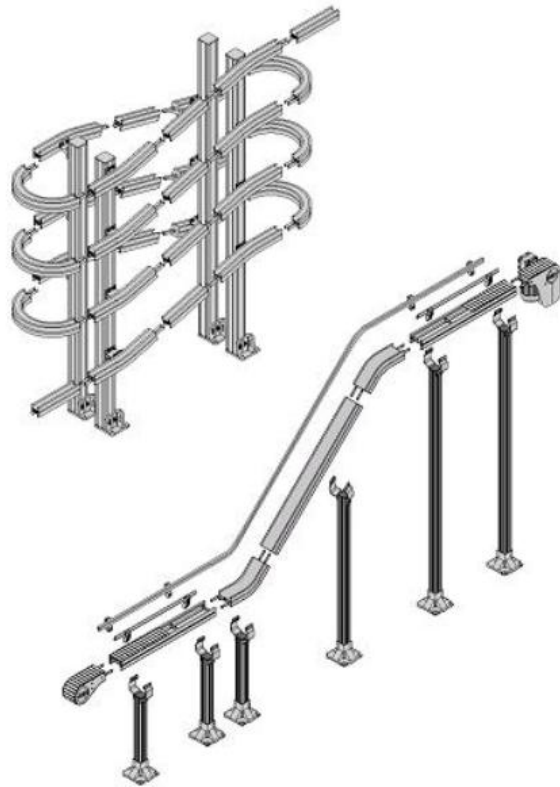
Conveying Systems – Process Conveyors



Products



Conveying Systems – Chain Conveyors



Products

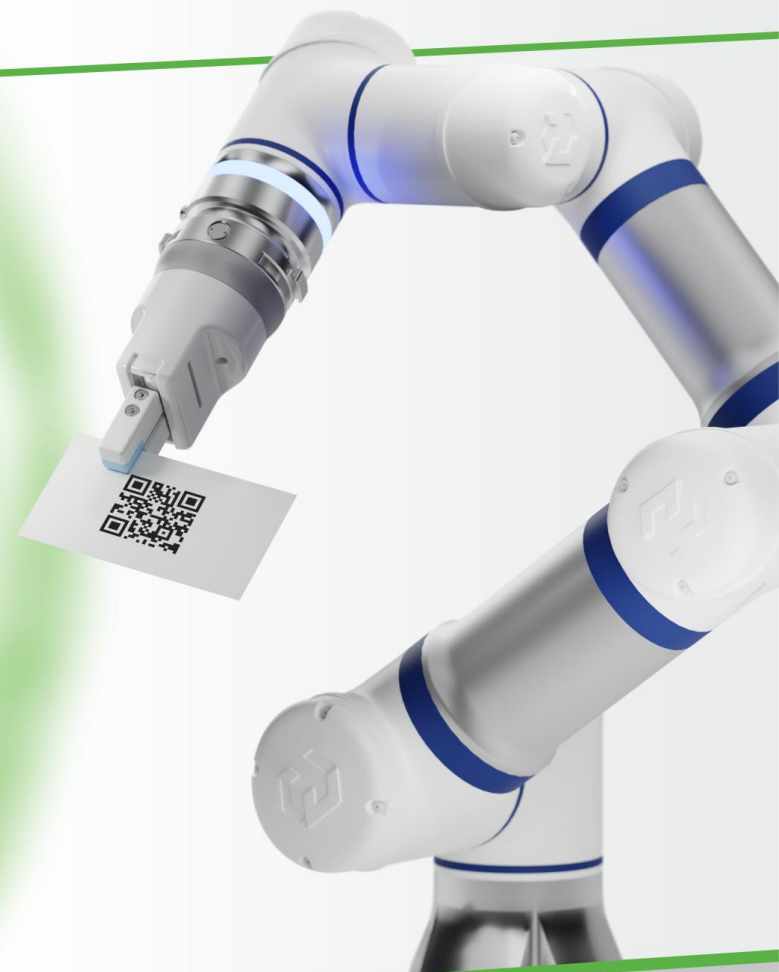


Conveying Systems – Belt and Rollers Conveyors





moovall



Onde começa o futuro
Where the future begins