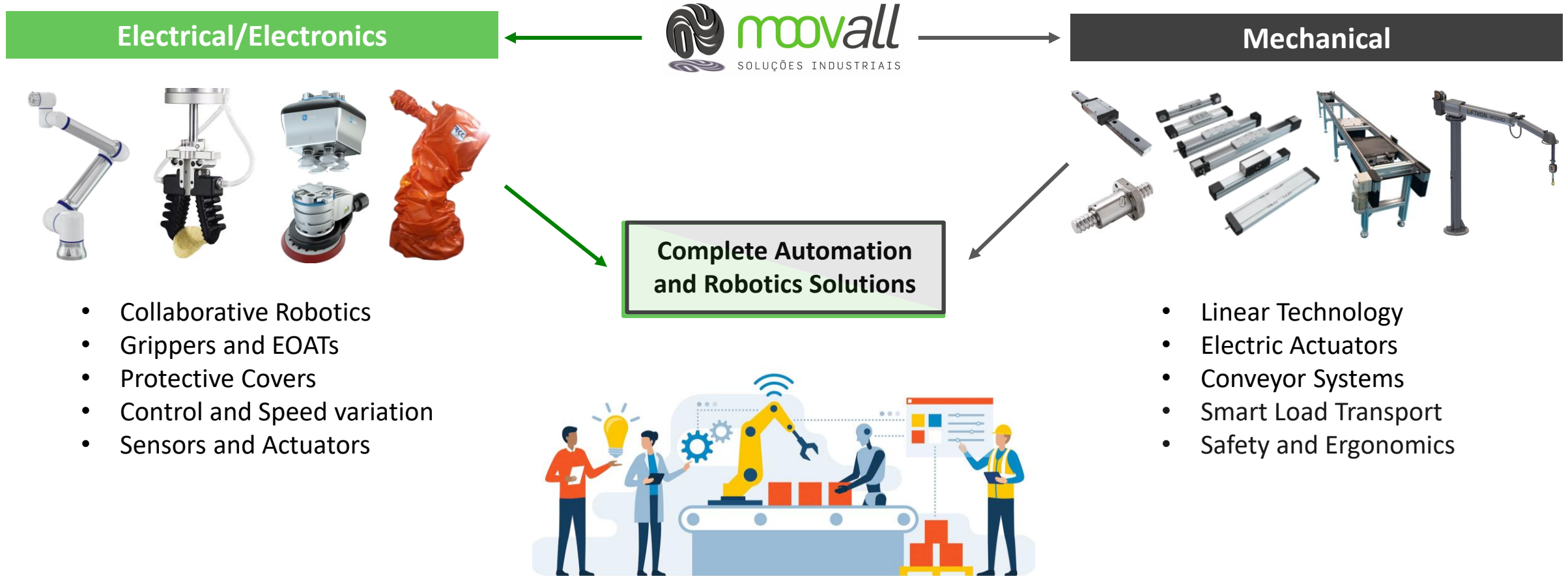


moovall

SOLUÇÕES INDUSTRIAIS

Presentation
06.2025

Areas of Activity



Brands



Products



Collaborative Robots

CS SERIES

The NextGen Cobot is Here



	CS63	CS66	CS612	CS620	CS625
PAYLOAD	3 kg	6 kg	12 kg	20 kg	25 kg
RADIUS	624 mm	914 mm	1304 mm	1800 mm	1500 mm
ACCURACY	±0.02 mm	±0.03 mm	±0.05 mm	±0.1 mm	±0.08 mm
MAX TCP SPEED	2.0 m/s	2.8 m/s	3.4 m/s	3.9 m/s	3.3 m/s

PROGRAMMING
Python-script, graphic programming with tree-flow structure, embedded simulation SW, user-friendly plug-in creation, one-click back-up/restore/upgrade

IO SIGNALS
Controller: 24 DI (8 config.) / 24 DO (8 config.), def. PNP (adjust. NPN), 4 HS DI, Terminal: 4 x config. T1/T0

COMMUNICATION
2x Ethernet ports (1 HS @ 1 Gbps), 1x RS485, TCP/IP, MODBUS TCP/RTU, Ethernet/IP, Profinet, CCLink

SAFETY
Pld. Cat. 3, ISO 13849, ISO 10218, safety config. IO, safety checksum

IP PROTECTION RATING
Arm: IP65 (IP68 upgradable), Controller: IP44

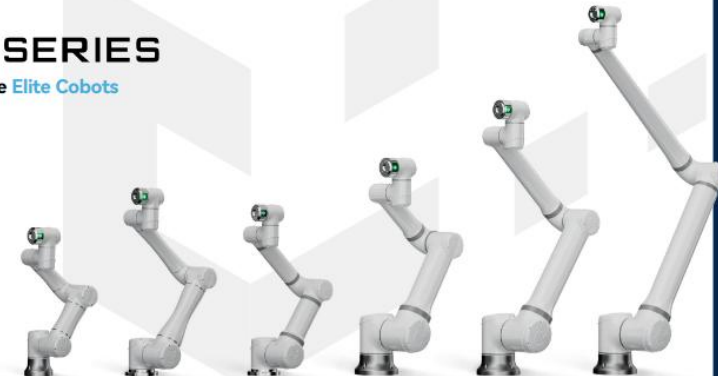
TOOL POWER CAPACITY
0 / 12v / 24v; 3A, 2A, 1A; 5A; RS485

TEACH PENDANT
12.1" full-touch screen, tablet-like design

STATUS LIGHT
Multi-color flange ring

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/offset programming

IO SIGNALS
Controller: 16 DI / 20 DO (8 config.), def. NPN (DI adjust. PNP), Terminal: 2 x T1, 2 x T0

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
24V2A; RS485

TEACH PENDANT
Industrial panel with 8" resistive touch screen



Products



Collaborative Robots – *ELITE CS Series* (Cobot Superior)



Integrated status-light
Multi-color ring on the
cobot flange to clearly
indicate the robot status
(4 lights, 10 status)

- **PAYLOAD:** 3-25 kg
- **REACH:** 624-1800 mm
- **ACCURACY:** ± 0.02 -0.1 mm
- **PROGRAMMING:** Python, graphic programming, simulation SW, user-friendly plug-in
- **I/O SIGNALS:**
 - Controller: 24x DI (8 config.), 24x DO (8 config.), 4x High Speed DI
 - Terminal: 4x config. DIO
- **COMMUNICATION:**
 - 3x Ethernet ports (1x HS @ 1 Gbps), 1x RS485
 - TCP/IP, MODBUS TCP/RTU, Ethernet/IP, Profinet, CCLink
- **IP PROTECTION RATING:**
 - Controller: IP44
 - Arm: IP65 (IP68 upgradable)
 - Teach Pendant: IP54
- **TOOL POWER CAPACITY:** M8; 0/12V/24V; 3A/2A/1A; 5A (CS620 and CS625); RS485
- **TEACH PENDANT:** 12.1" touch screen, tablet-like design
- **STATUS LIGHT:** Multi-color flange ring

Products

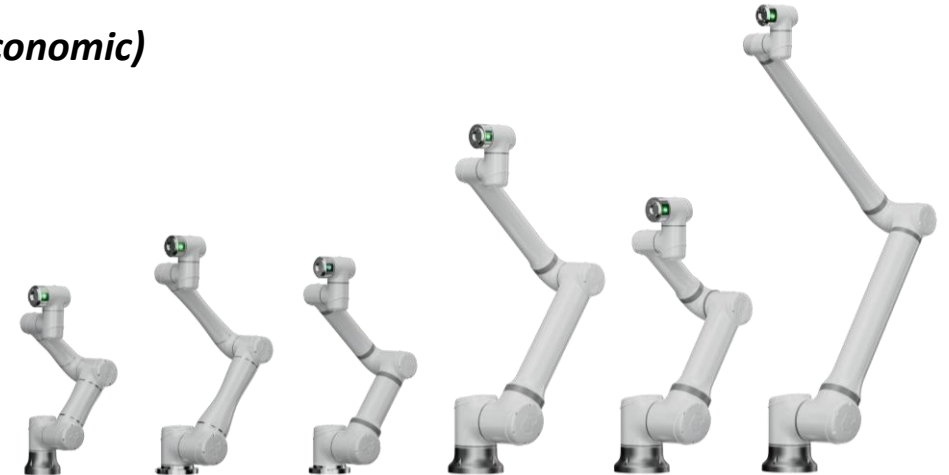


Collaborative Robots – *ELITE EC Series* (Economic)

- **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

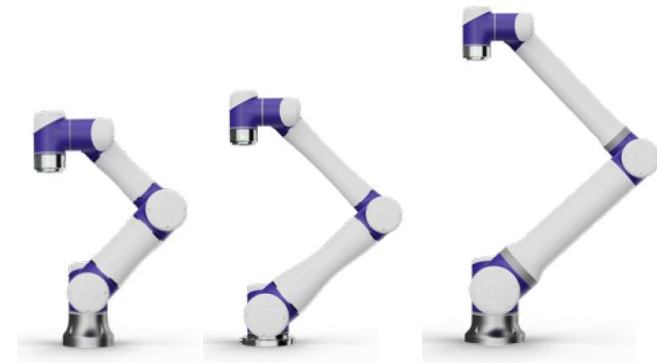


Collaborative Robots – *ELITE EA Series* (Education)

- **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




Products



Collaborative Robots – *ELITE CP Series*

-  Modular
-  Safe
-  Up to 30kg
-  User-friendly
-  Flexible



-  Stacking height up to 2400mm
-  Return on investment (ROI) < 12 months
-  Installation < 1 hour

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

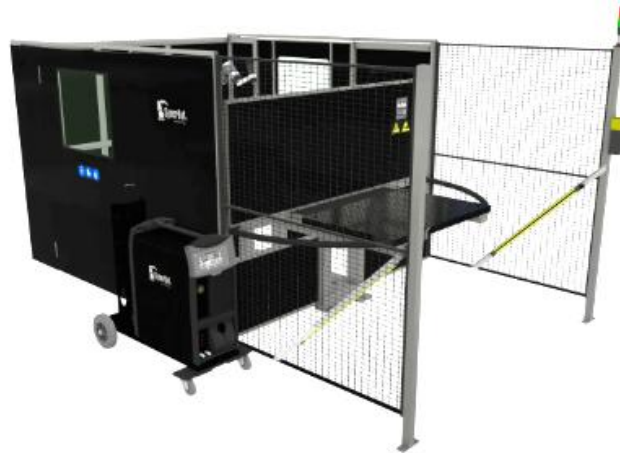
Modular Welding Solutions



With collaborative robots - Flexycell



M-TWIN



AUTO-TWIN

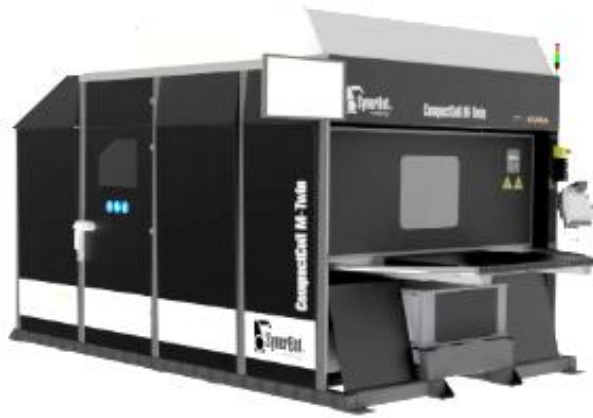


TRACK-TWIN

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

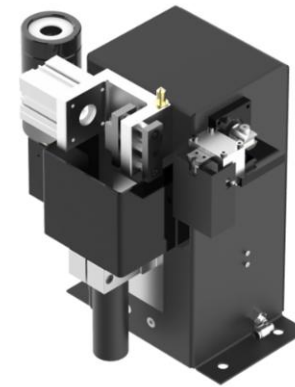


BOT-60W 600A Liquid
cooling



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



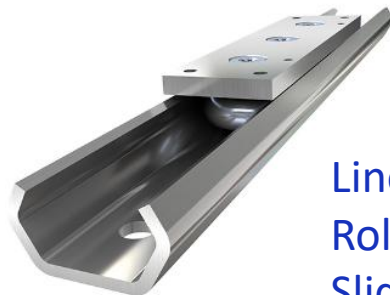
Rail
Guides



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



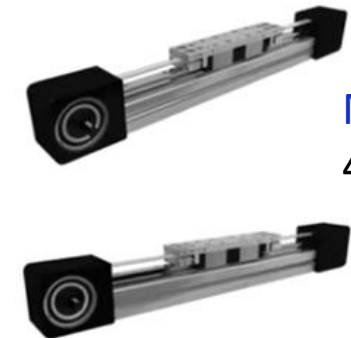
MRJ Series

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

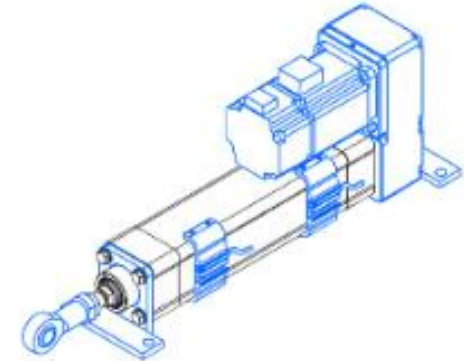
Electric Cylinders



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



MCE Plug & Drive
25, 32, 45



Accessories



MSCE Plug & Drive
25, 32, 45

Products

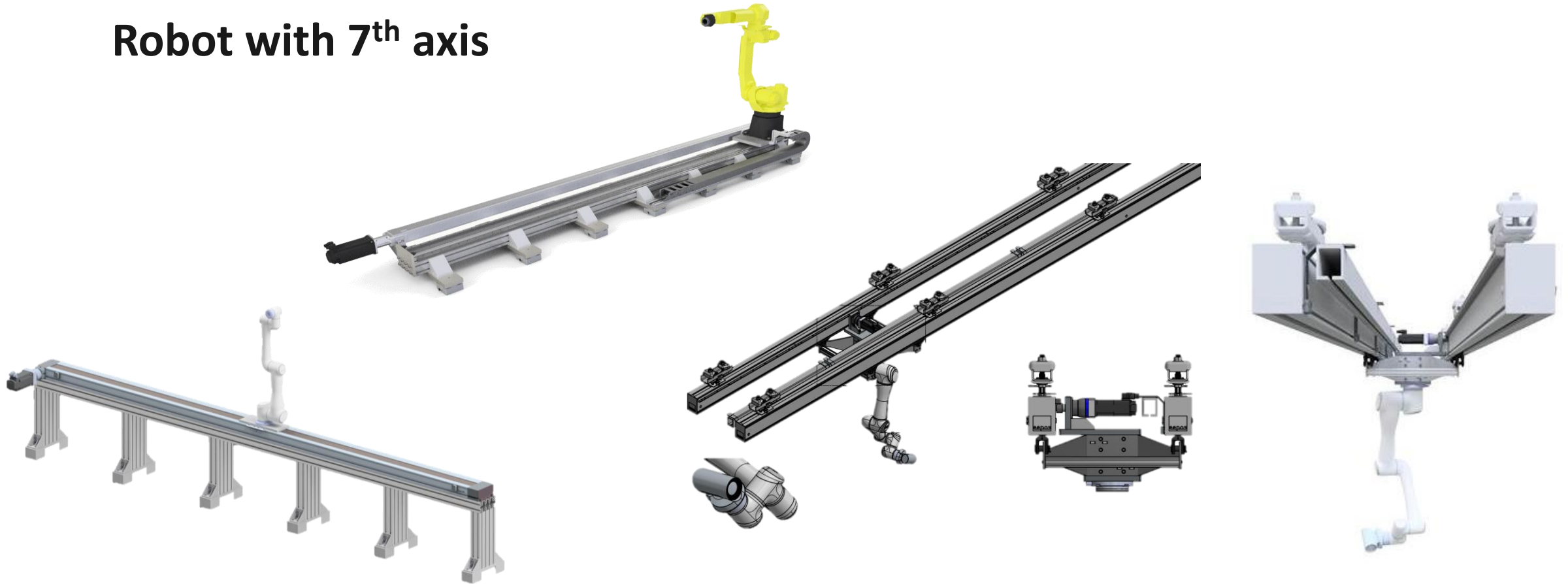
UNIMOTION

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



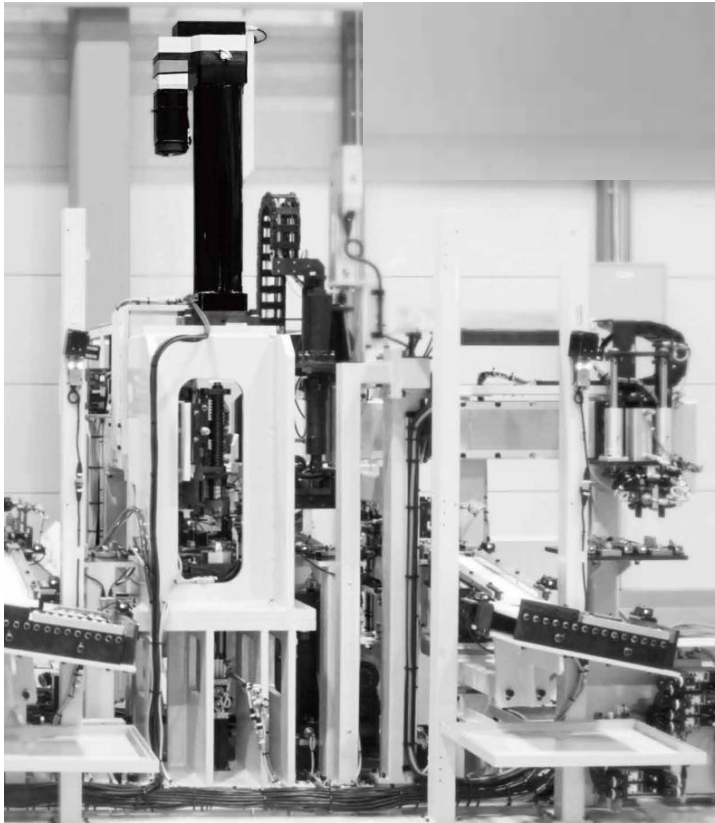
Pulse Tightening Technology - "ESTIC PULSE":

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

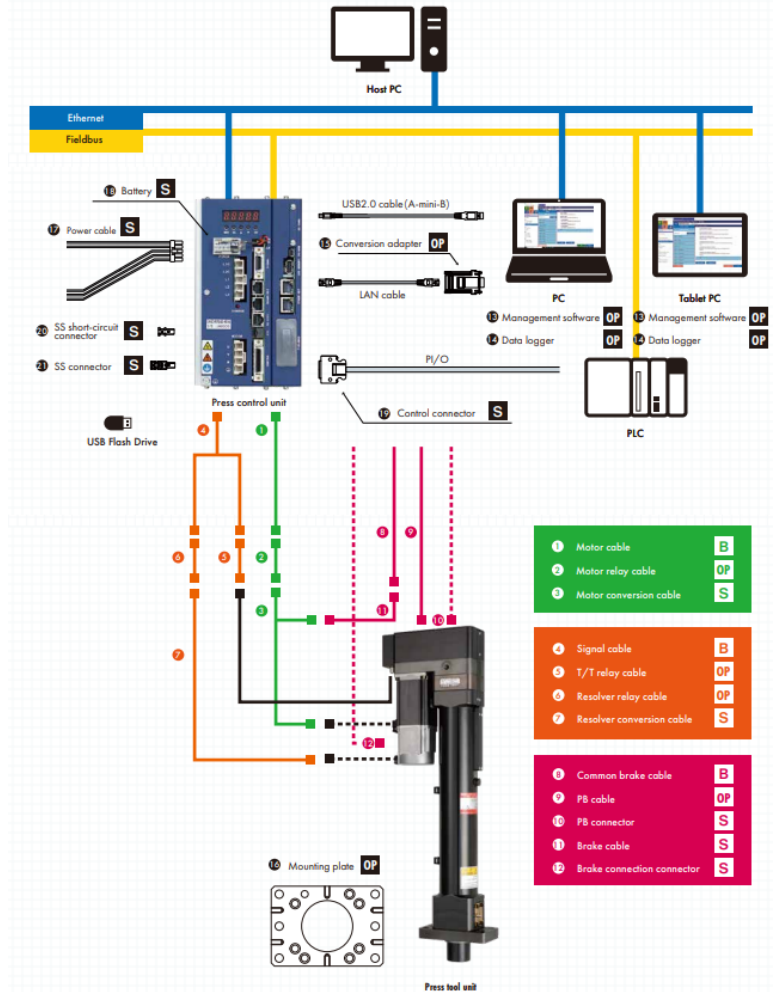


Products

Servo press



ESTIC



Products

EGROECO

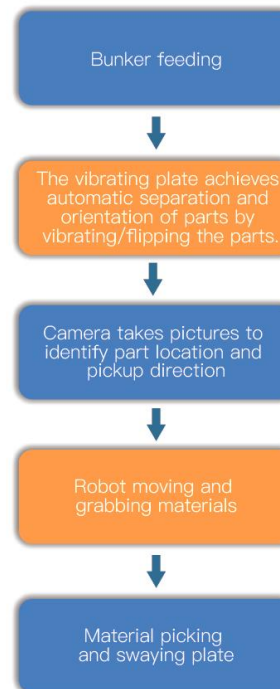
Flexible Integrated Systems – Small parts easy choice



Products

EGROECO

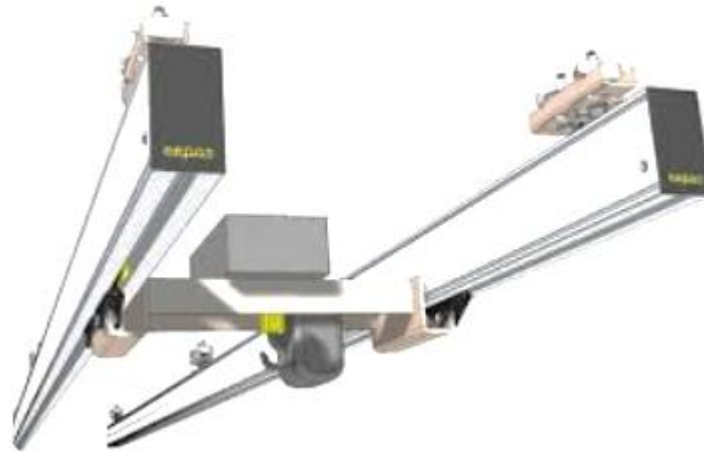
Flexible Feeding Systems



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



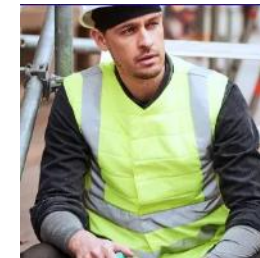
Ironhand



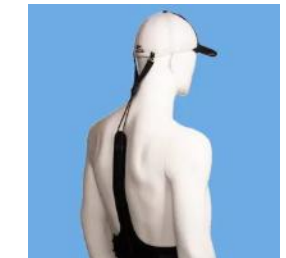
IX Back Air



IX Shoulder Air



Cooling clothes
e-cooline



Spineband Active

Products



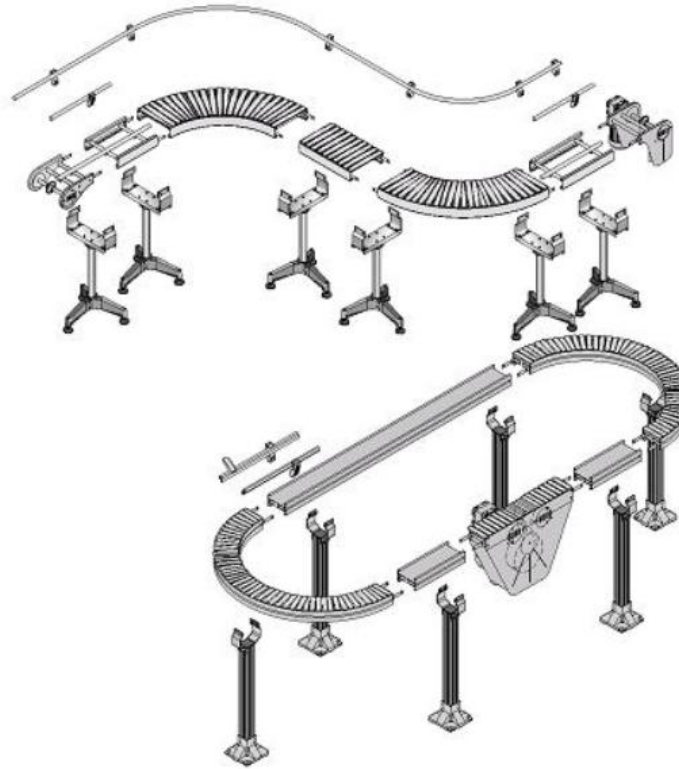
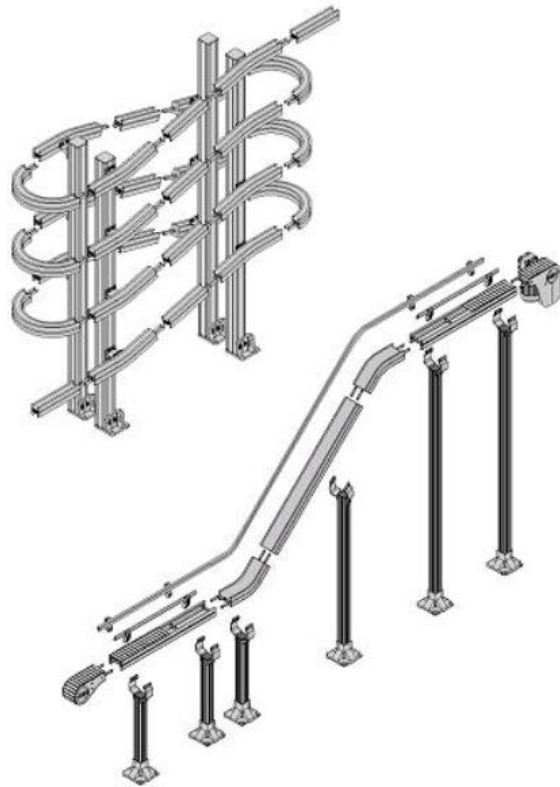
Conveying Systems – Process Conveyors



Products



Conveying Systems – Chain Conveyors



Products

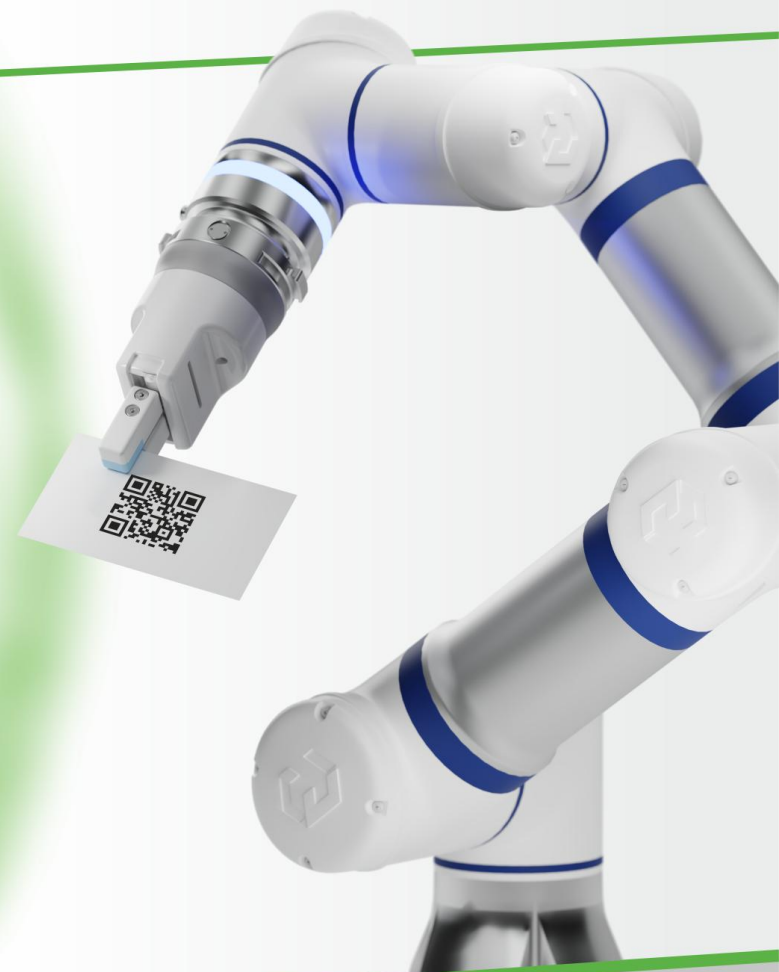


Conveying Systems – Belt and Rollers Conveyors





moovall



Onde começa o futuro
Where the future begins