

INTECRO

electromobility



Assembly & Manufacturing **Lines** and **Machines**
For **EV** and **ESS** Batteries



INDUSTRIES WE SERVE FOR

Electric Vehicle Production Lines

Classes

2-3 WHEELERS EV
L6-L7 SEGMENT EV
PASSENGER EV
COMMERCIAL EV

Types

BEV
HEV
PHEV

Battery Energy Storage Systems Production Lines

Sectors

TELECOM
SOLAR POWER
WIND POWER

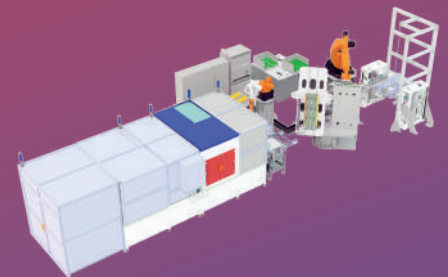
Types

ON-GRID BATTERIES
OFF-GRID BATTERIES
PRIVATE USE BATTERIES
COMMERCIAL USE BATTERIES

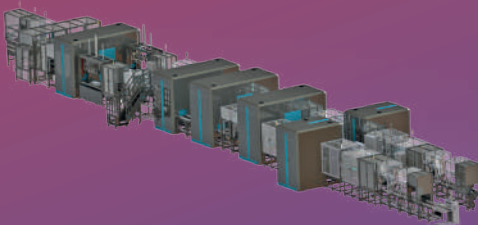
Our Reference Projects



CELL INSPECTION AND
STACKING LINE



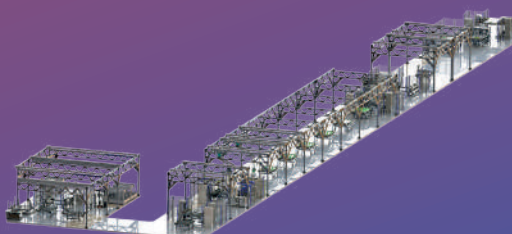
CELL INSPECTION AND
STACKING LINE



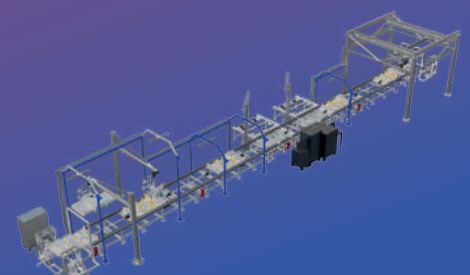
MODULE ASSEMBLY LINE



MODULE ASSEMBLY LINE



PACK ASSEMBLY LINE



PACK ASSEMBLY LINE



WHO WE ARE?

INTECRO ELECTROMOBILITY is an engineering company that uses agile and punctual project management methods to provide and deliver turnkey **Battery assembly-production lines/machines and services** for the battery manufacturers.

Know-How & Expertise

JOINING TECHNOLOGIES

VISION AND AI SUPPORTED ASSEMBLY

DIGITAL ENGINEERING

TEST & INSPECTION

PRECISE CONTROL AND ASSEMBLY



The Way We Manage The Project



Turnkey Project Management Journey Starts Here

Conceptual Design

Design Review

Final Design

Assembly On Site (Home)

Manufacturing

Installation and Commissioning (Home)

FAT

Delivery

OEE Validation

SAT

Installation and Commissioning (Customer)

Final Acceptance

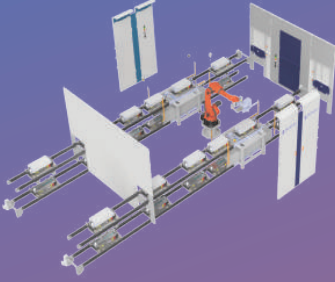
Happy Customer





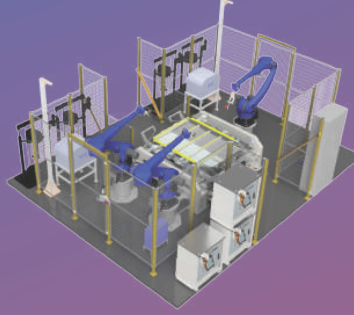
LET'S ZOOM IN THE CRITICAL PROCESSES

Robotic Laser Welding



- Flawless process design and commissioning with hybrid/fiber/disc laser sources
- On the fly welding adaptation
- OCT integration
- Special design zero-gap welding fixtures

Robotic Dispensing



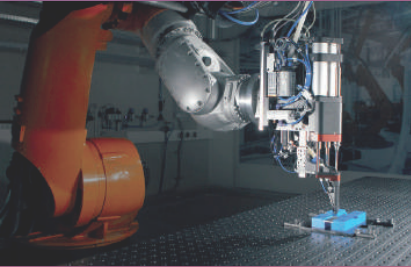
- Reliable process design for single and double sealing materials
- Real-time mixture ratio control
- Adaptive flow rate according to TCP speed
- Real-time bead inspection

Robotic Tightening



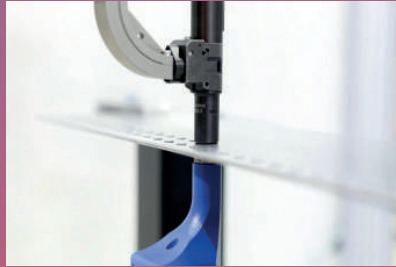
- Automatic screw feeding
- Easy and fast tool change
- Real-time tightening torque and angle control
- Automatic 2D vision control

Robotic Flow Drill



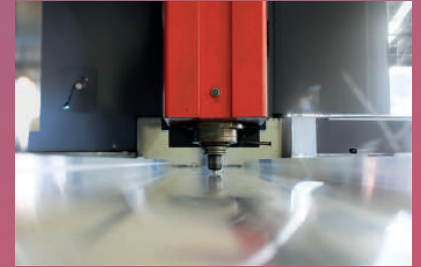
- Robotic fast and precise process
- Joining the materials without additional machining process
- Reduced rework
- Reversible disassembly

Robotic Blind Rivet Nut



- Quick and flexible material joining process
- Robotic programmable and reliable application
- Reversible disassembly
- Multiple Material Suitability

Robotic Friction Stir Welding



- Robotic safe and adaptable process
- Eliminating the consumables
- Reduced heat input
- Energy efficient



Agile Project
Management



Short-Term
Delivery



Tailor-Made
Design



Punctual Time
Management



Cost Effective
Approach



Reliable
Partnership

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📍 ANKARA - EMAL MANUFACTURING -
ENGINEERING CAMPUS

Sarayosb Mah. Uzay ve Havaçılık OSB
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📍 ANKARA - VIA TOWER MANAGEMENT -
MARKETING - SALES OFFICE

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Yenimahalle 06560 Ankara/TÜRKİYE

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