

# 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

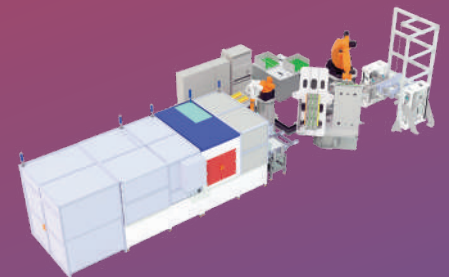
#### Types

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

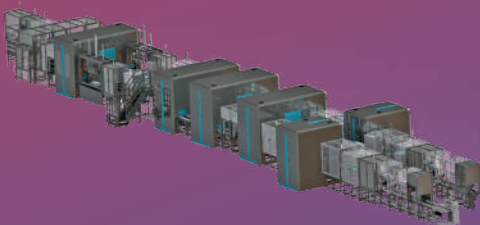
## Our Reference Projects



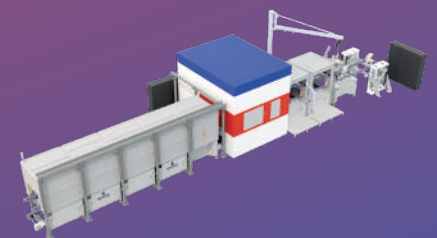
CELL INSPECTION AND  
STACKING LINE



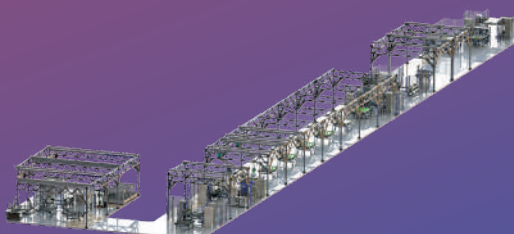
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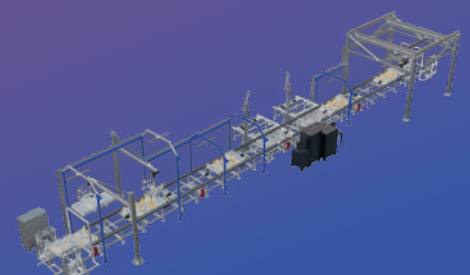
MODULE ASSEMBLY LINE



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

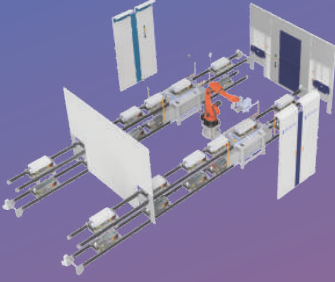
Happy Customer





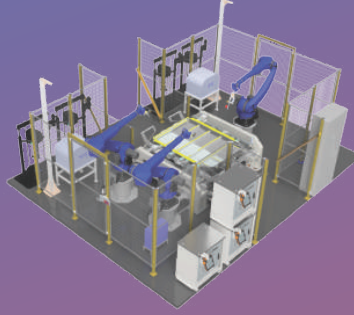
## LET'S ZOOM IN THE CRITICAL PROCESSES

### 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



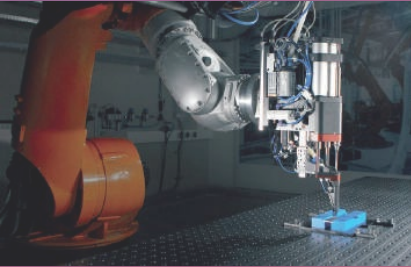
- Reliable process design for single and double sealing materials
- Real-time mixture ratio control
- Adaptive flow rate according to TCP speed
- Real-time bead inspection

### Robotic Tightening



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

### Robotic Flow Drill



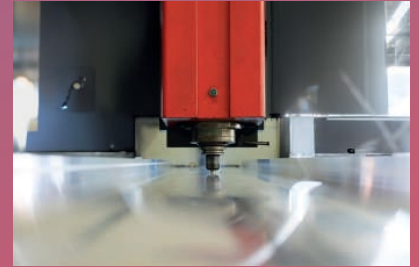
- Robotic fast and precise process
- Joining the materials without additional machining process
- Reduced rework
- Reversible disassembly

### 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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