



Introducing:

Digatron Systems

Digatron Systems: The Rest of the Story

ASSEMBLY EQUIPMENT FOR LITHIUM CELLS AND BATTERY MODULES



LABORATORY SMALL PRODUCTION

- Single station machines for pouch cells production
- Integrated assembly line for pouch cell production



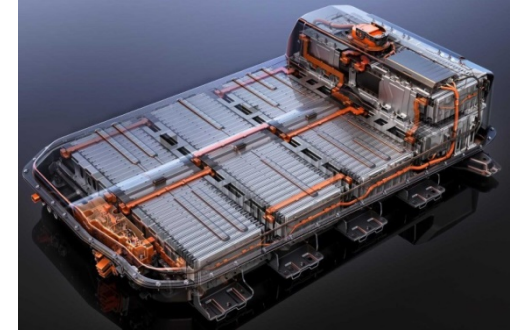
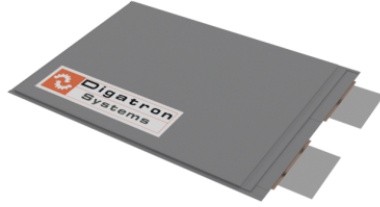
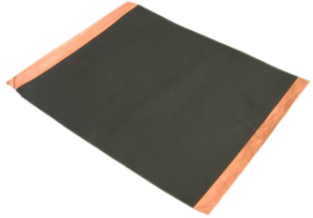
PRODUCTION

- Formation and aging automated plant
- Production line for module assembly



SUPPORT

- Free hotline
- Training courses
- Repairs
- Spare parts service
- Commissioning



ELECTRODE PREPARATION

CELL ASSEMBLING

CELL FINISHING

MODULE ASSEMBLING

PACK ASSEMBLING

ELECTRODE PREPARATION

- MIXING
- COATING
- DRYING
- CALENDERING
- SLITTING

CELL ASSEMBLING

- ELECTRODE CUTTING
- CELL STACKING
- TAB WELDING
- POUCH FORMING
- POUCH SEALING
- CELL FILLING

CELL FINISHING

- SOAKING
- FORMATION
- AGING
- CYCLING
- DEGASING
- OVC /ACIR/DCIR TEST
- GRADING
- SORTING

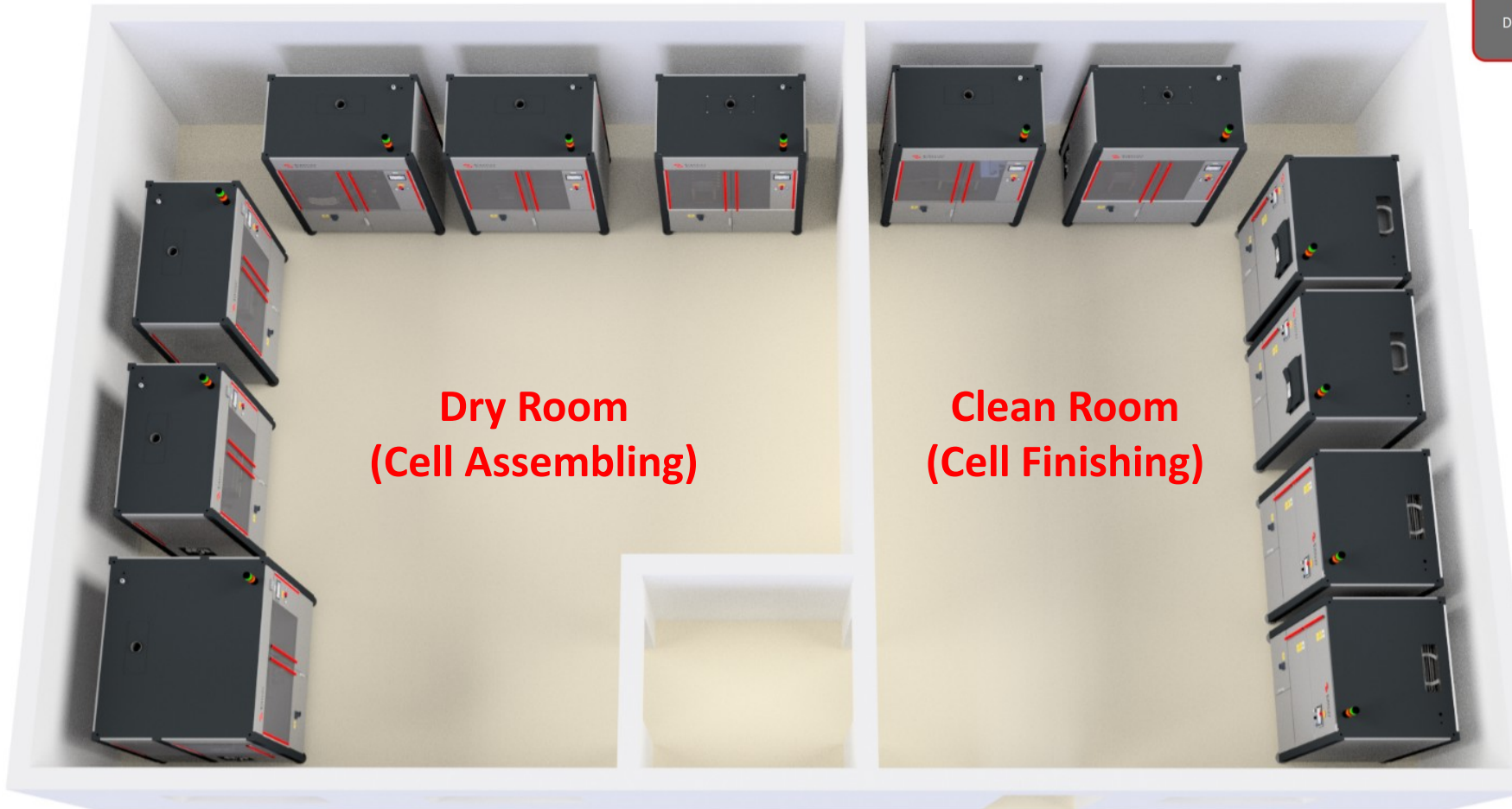
MODULE ASSEMBLING

- CELL SORTING
- CELL STACKING
- TAB BENDING
- BUS BAR SET & WELDING
- BMS SETTING
- COVER SETTING
- AUTOMATION FOR EOL TEST

PACK ASSEMBLING

- MODULES SORTING AND POSITION
- MODULES FIX
- ELECTRIC & THERMIC INTEGRATION
- IN LINE QC TEST
- END PLATE & LEAK TESTING
- CHARGING & FLASHING
- EOL TEST

Single Station Machines for Pouch Cell Assembly



LABORATORY / SMALL PRODUCTION
Defined product, available with different
version level and options

MASS PRODUCTION
Concept products to be customized according
to customer process and productivity needs

**SINGLE STATION MACHINES FOR
POUCH CELL PRODUCTION**

**FORMATION AND AGING
AUTOMATED PLANTS**

**ASSEMBLY LINES FOR POUCH
CELL PRODUCTION**

**PRODUCTION LINES FOR
MODULE ASSEMBLY**

**Dry Room
(Cell Assembling)**

**Clean Room
(Cell Finishing)**

DRY ROOM – CELL ASSEMBLING

**ELECTRODE
CUTTING**

**CELL
STACKING**

**TAB
WELDING**

**POUCH
FORMING**

**POUCH
SEALING**

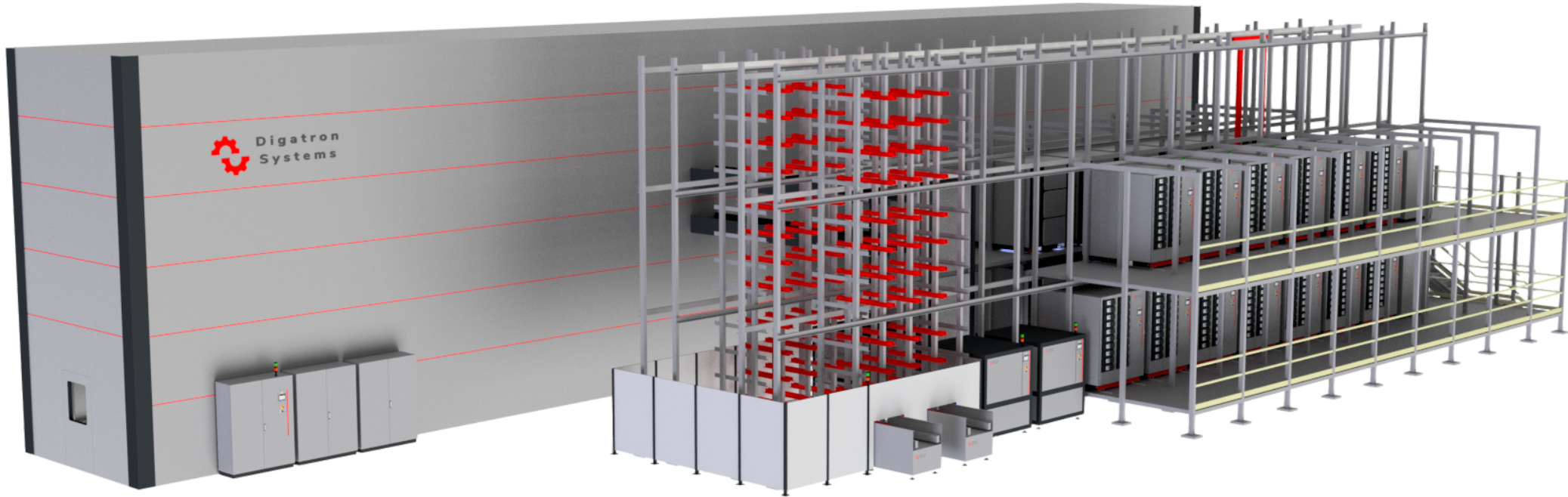
**CELL
FILLING**

CLEAN ROOM – CELL FINISHING

**CELL
FORMATION**

**CELL
DEGASSING**

**CELL
AGING**



- Turn-key integrated solutions for the complete cell finishing process :
 - Soaking
 - Formation
 - Room and high temperature aging towers
 - Degassing
 - In-line DC IR, AC IR
 - In-line OCV test
 - Grading
 - Sorting

CELL FINISHING

CELL
FORMATION

CELL
DEGASSING

CELL
AGING

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**SINGLE STATION MACHINES FOR
POUCH CELL PRODUCTION**

**FORMATION AND AGING
AUTOMATED PLANTS**

**ASSEMBLY LINES FOR POUCH
CELL PRODUCTION**

**PRODUCTION LINES FOR
MODULE ASSEMBLY**



MODULE ASSEMBLING

**MODULE
PRE-ASSEMBLY**

**INSULATION &
COMPRESSION**

CONTACTING

**CIRCUIT BOARD &
SENSORS**

**END PLATE &
TEST**





Thank you
Digatron Systems