

WHY WORK WITH DIGATRON?



Focus

When it comes to battery formation technology, battery testing or turn-key engineering, the battery industry has relied on Digatron as a partner for more than half a century.

Understanding

The state of the art power electronics in linear or switch mode technology along with digital controllers, data acquisition and comprehensive management software is what makes Digatron extraordinary in this field. Wherever batteries are produced or used as an energy source and test & formation equipment is required, Digatron is the reference. We understand your needs!

Experience

Complex projects require engineering of all hardware and software components. To meet these high demands, Digatron has a brilliant team of experienced project engineers.

Customer Care

At Digatron, we are dedicated to ensuring that customers are at the forefront of everything we do.



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**Do you want to be part of
our team?**

Contact us: jobs@digatron.de



www.digatron.com



LEADING THE CHARGE TO ENERGIZE THE WORLD



LEADING THE CHARGE TO ENERGIZE THE WORLD

Battery Testing - Battery Formation - Cell Assembly



Safety



EIS
Meter



Data
Logger



Cell
Contacting



Climatic
Chamber



Interfaces



(6 V, 2 A-1800 A)



(12-150 V, 10-8000 A)



(600-1500 V, up to 2 MW)

Helix*



SOFTWARE

Battery Manager

Cell Testing



**BATTERY
CELL**

Cell Assembly &
Formation

Module Testing



**BATTERY
MODULE**

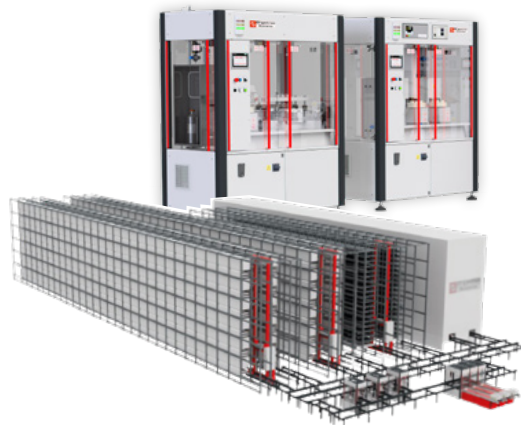
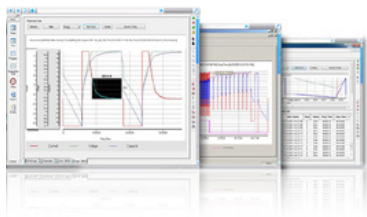
Lead Battery
Formation

Pack Testing



**BATTERY
PACK**

End-Of-Line Testing



* The Ultimate Battery Test and Formation Software

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LITHIUM CELL TESTING

Shaping the future of research & innovation

- Highly dynamic test channels
- Single channel from mA to kA
- Up to 4 current ranges per channels
- Paralleling of multiple channels
- Cost savings through highly efficient regenerative power electronics
- High power density
- Accessories:
 - Logger channels (T, U, ...)
 - Cell contacting units
 - EIS measurement etc.



LITHIUM CELL PRODUCTION

Enabling the future of production engineering

- Pilot assembly lines for pouch, cylindrical and prismatic cells
- Formation and aging equipment for pouch, cylindrical and prismatic cells



Brought to you by:



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MODULES/SLI/PACK TESTING

Paving the road to future mobility

- SLI battery cycler and high rate discharge tester cycler
- Module tester & HV pack tester with wide current & voltage ranges up to 1500 V DC
- Battery emulator functionality
- EOL tester for modules & packs – one-stop-solution with customized HW & SW
- Performs all test processes in accordance with known e-mobility standards
- Also available: CAN interfaces (BMS), logger channels, redundant monitoring, etc.





DIGATRON SOLUTIONS

Our engineering dept. offers complete customized solutions with:

- Integration of 3rd party products
- Automated safety functions
- Customized software features
- HiL – Hardware in the Loop
- Complete turnkey solutions

Our Services:

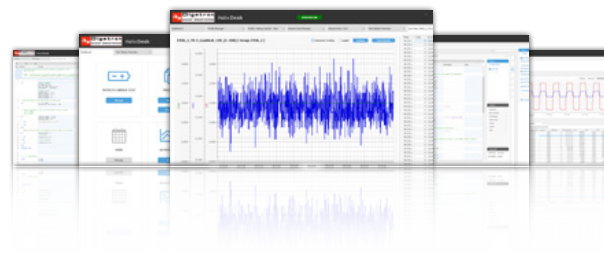
- On site calibration
- Hotline, trainings
- Commissioning, etc.



DIGATRON SOFTWARE

Digatron's all-in-one software for battery testing & formation

- Intuitive and powerful profile editor
- Flexible profiles fit all international standards
- Interface to external devices & SCADA systems
- Customizable visual floor view
- High performance data recording with 1 kHz
- Powerful session data views and tools
- High scalability up to > 10,000 channels
- Battery definitions with individual properties for different battery technologies



LEAD BATTERY PRODUCTION

Leading the charge

- Rectifiers for container formation
 - Regenerative power electronics
 - Waterbath & temperature control
 - Energy saving load management
 - Many current and voltage ranges available
 - Up to 16 channels per cabinet
- Rectifiers for electrolyte circulating formation
 - Interface to Inbatec Systems

