

# VT ElektroPlast

ONE COMPANY – INFINITE POSSIBILITIES

—  
Battery Business Unit

TECHNOLOGY

DYNAMISM

PROGRESS

STABILITY

# MILESTONES

- first phase of battery production at Kaposvár

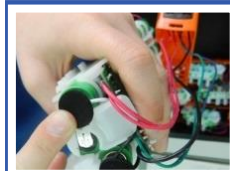


**1997-2002**



**2008**

- re-start of battery production with a site acquisition at Marcali
- SOP of Li-ion batteries



**2012**

- electronic tool, e-bike, medical battery packs
- automotive market entry (Ni-Mh) ISO16949
- first self-designed battery pack concept



**2015**

- expanded automotive business share
- e-call battery assembly
- beginning of VTBH cooperation



**2018**

- new customer and market segment in our portfolio
- a member of the European Battery Alliance



**2020**

- own designed assembly lines
- production automation



**2023**

- intelligent optical quality control

# TYPICAL BUSINESS MODEL

1

## DESIGN

 cell manufacturer

## CELL RESPONSIBILITY

 cell manufacturer

2

 customer

 customer

 customer

 VIDEOTON

 VIDEOTON

 customer

3

 VIDEOTON

 VIDEOTON

# BATTERY BUSINESS HIGHLIGHTS



**50+ mEUR**

cell value



**7 main**

cell suppliers



**60+ mpcs**

used battery cells



**40+ mpcs**

delivered products

# PRODUCTION COMPETENCE

## PURCHASED

raw material (resin)

insulation, contacts,  
screws, damping  
materials...

electrical components  
(resistor; fuse...)  
& raw material

cell, contact

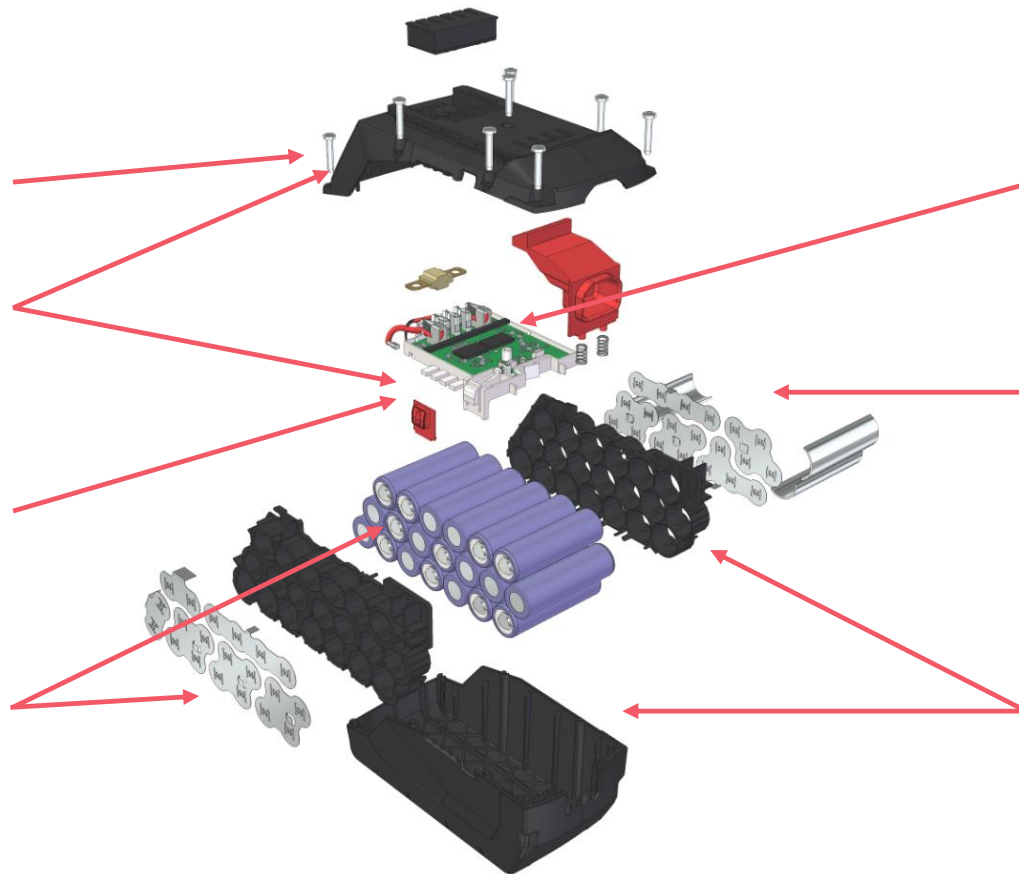
 **VIDEOTON**

PCB production in  
corporation with Videoton  
Electronic Assembly  
Services Ltd.

assembly of  
battery pack

assembly  
testing  
marking  
packaging

production of plastic  
parts



 **VIDEOTON**

# PORTFOLIO

## FROM UNIQUE CELL TO COMPLETE BATTERY PACKS

### As for chemistry

- Li-ion rechargeable batteries
- Ni-MH rechargeable batteries
- Li-metal batteries



Li-ion rechargeable batteries



Ni-MH rechargeable batteries



Li-metal batteries



# PORTFOLIO

## FROM UNIQUE CELL TO COMPLETE BATTERY PACKS

Battery pack according to its cell number

- **1 – 2 – 3 – 4 – 5 – 6 – 10 – 14 – 20 – 40 – 50 – 108 – 144**

### Forms

- cylindrical
- prismatic
- button

### As for usage



Consumer use



Power tools and  
gardening



Automotive industry



E-bike



Industrial usage



Health care



Entertainment  
and telecommunication

# TECHNOLOGIES



- cell welding
- soldering
- potting
- assembling

- screwing
- wire machining
- tamper printing
- ultrasonic welding

- charging
- laser marking
- testing
- wrapping



# CONSUMER SPECIFIC PRODUCTION



## Design and construction of means of production

- unique production cells
- traditional manual assembly lines
- automated assembly lines



## Production area design for customer needs

- separate customers
- team dedicated to production
- establishing clean room
- industry 4.0 solutions



## ESD protection, air control system

- ESD floor, human earthing
- humidity control
- central ventilation system
- zonal division



## Logistics, storage

- unique barcode identification
- supermarket system
- air-conditioned warehouse for Li-ion products
- planned smart solutions



# THANK YOU FOR YOUR KIND ATTENTION!

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