

Plastic based

BOX BUILD ASSEMBLY

within VIDEOTON HOLDING

HUNGARY & BULGARIA

ONE COMPANY – MULTIPLE POSSIBILITIES

—
2024

TECHNOLOGY

STABILITY

SUSTAINABILITY

DYNAMISM

GENERAL INFORMATION ABOUT VIDEOTON

Founded in

1938

Private since

1992

Revenue
(2023)

820 Mill €*

10

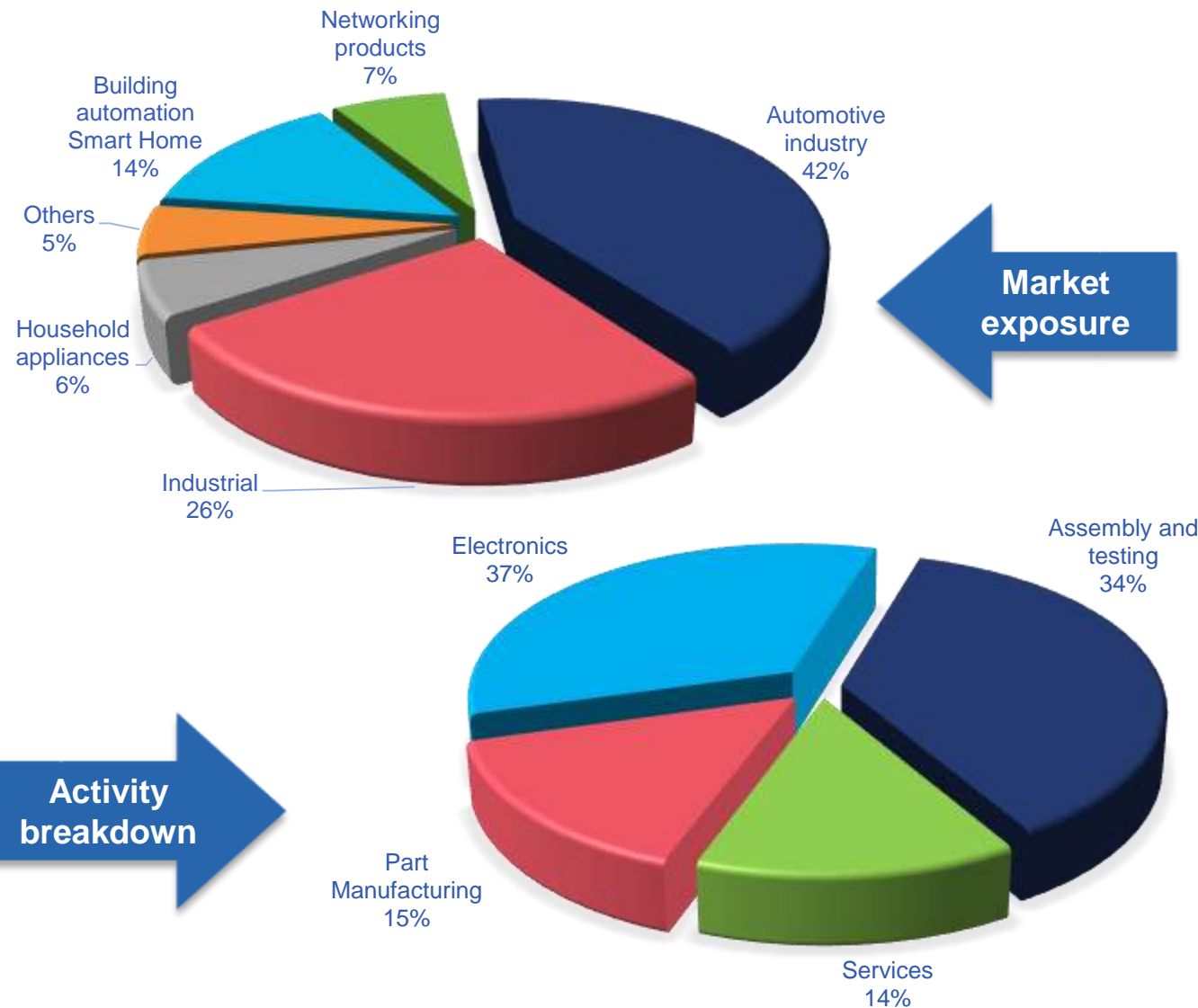
Locations

9300

Employees

4th

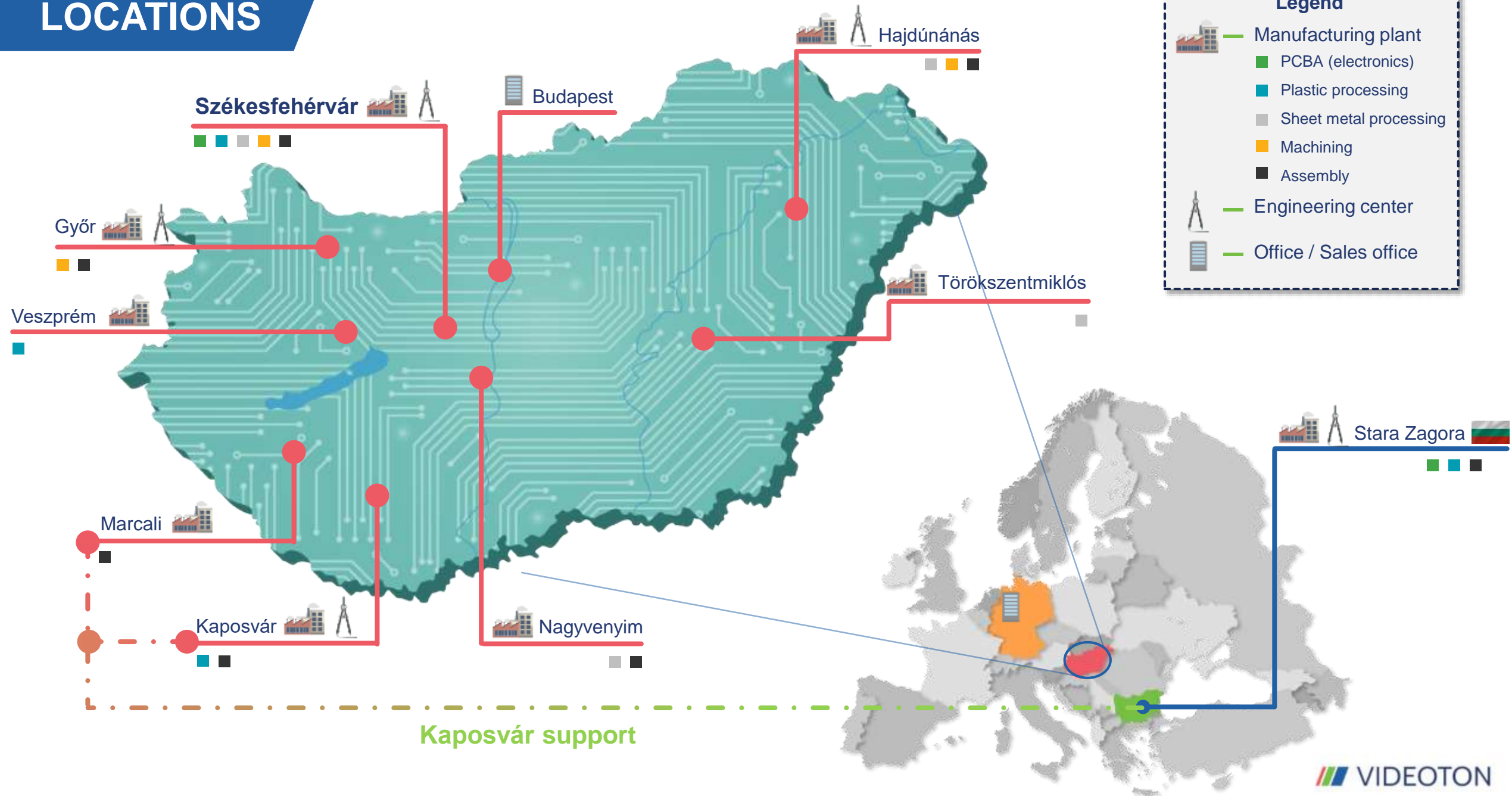
Among EMS
companies
HQ'd in
Europe



* no debt since 2005

* Percentages defined based on TO level

LOCATIONS



CORE TECHNOLOGIES OF VIDEOTON



PCBA & BOX BUILD ASSEMBLY

VT Automotive Electronics, VEAS, VEAS
Bulgaria



PART MFG. & BOX BUILD ASSY.

VTEP, VTES, VTBH, TIPA, VT-ASYST, VT
Mechatronics



PLASTIC MOULDING

VTEP, VT Plastic, VT Bulplast



SHEET METAL PROCESSING

VTES, KVJ Muvek



MACHINING

VT Metal, VT Mechatronics



OTHERS

VT-Systemtechnics, Ventfilt, Pannonjob,
Industrial park, VT ARtrans, Pannonfacility

HISTORY OF KAPOSVÁR | MARCALI | STARA ZAGORA

1970-1997

- establishing the plant
- TUNGSRAM – electron tubes
- Plastic injection moulding (1990)
- MBKE Kft. ('93-'97)

1998

- start of household appliances production

2008

- Marcali acquisition for our battery assembly activities

2017

- automatized battery assembly
- on-line data collection system

1997

- VIDEOTON acquisition
- 1997-2002 battery assembly started in Kaposvár

1999

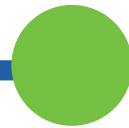
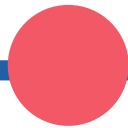
- Bulgaria plant privatization by Videoton Holding

2013

- establishing clean room production area
- ESD protection area in Marcali

2023

- Videoton Kaposvár supports Bulgaria DZU plant
- Close future cooperation



PRODUCTION SITES

Kaposvár (HU)



35 000 m²

- Plastic part manufacturing
- Box build assembly
- **Engineering**

Marcali (HU)



10 000 m²

- Battery assembly

Stara Zagora (BG)



27 000 m²

- PCB assembly
- Plastic part manufacturing
- Box build assembly

FACTS & FIGURES - HU



Number of employees
Cca. 750



PIM machines
81



Turnover (2022): 115 mill €
Turnover (2023): 115 mill €



Plastic parts / year: 96 mill
Pcs products / year: 30 mill



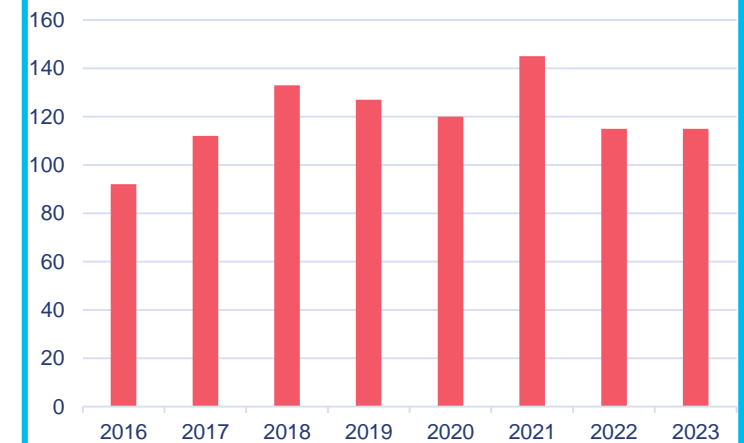
Built in area (Kaposvár&Marcali)
43.500 m²*



Customers
15+

* 5.000 m² immediately available
production area

Turnover / m EUR



FACTS & FIGURES - BG



Number of employees
Cca. 850



PIM machines (TP+TS)
92 (53+39)



Customers
10+



Turnover (2022):51 mill €
Turnover (2023):49 mill €



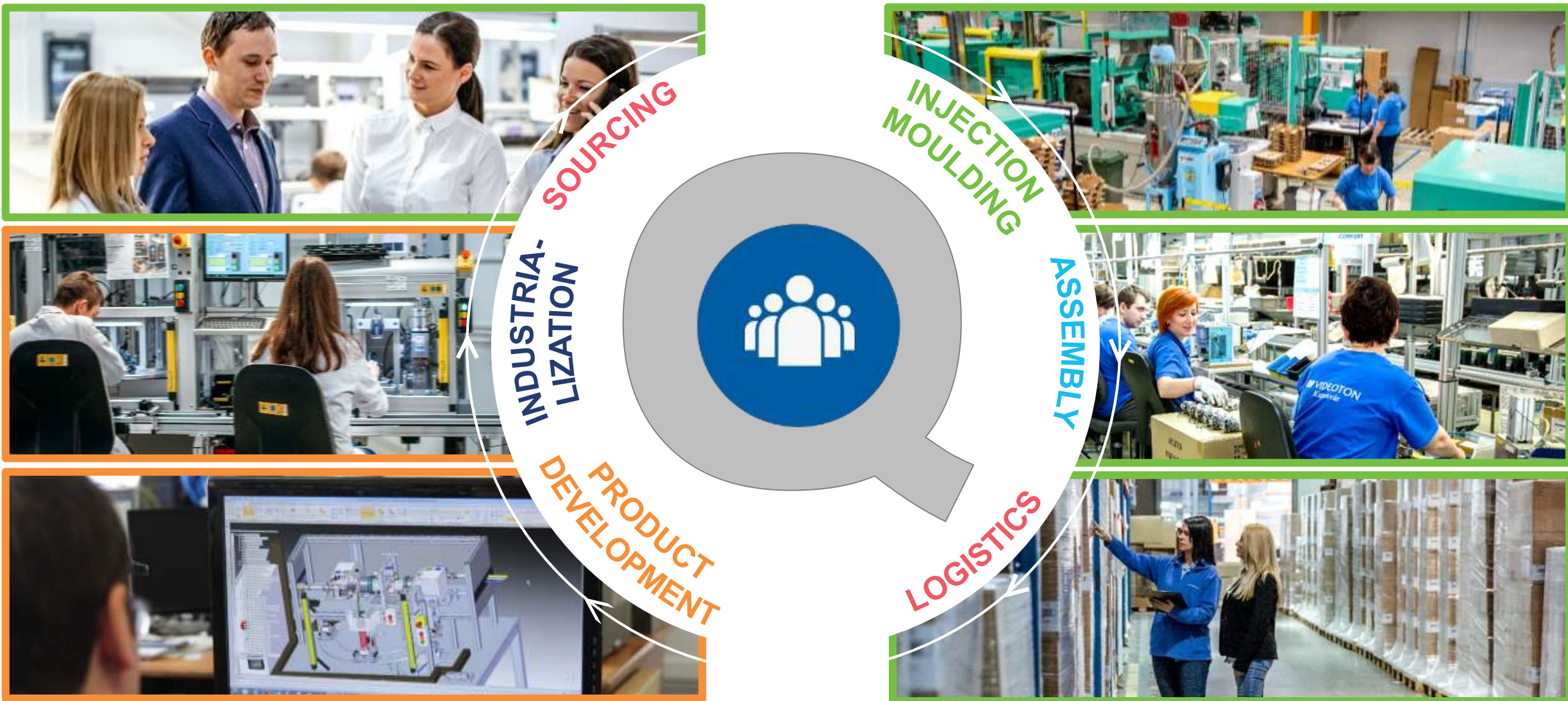
Plastic parts / year: 66 mill
Pcs products / year: 124 mill



**Built in area (VTBH&VT
Bulplast)**
27.000 m²*

* 7.000 m² immediately available
production area

BUSINESS MODELL



HUNGARIAN ADDITIONAL SERVICES



HU+BG SITES TECHNOLOGIES/SERVICES



VIDEOTON

ENGINEERING SUPPORT IN VT EP



Mechanical development

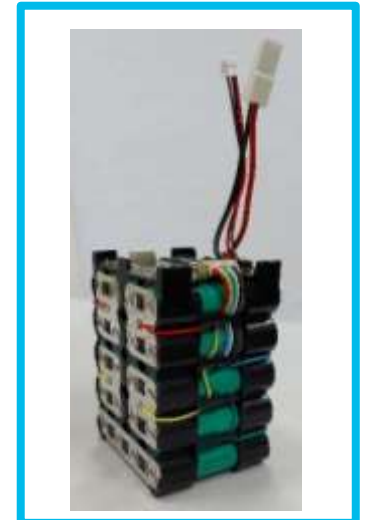
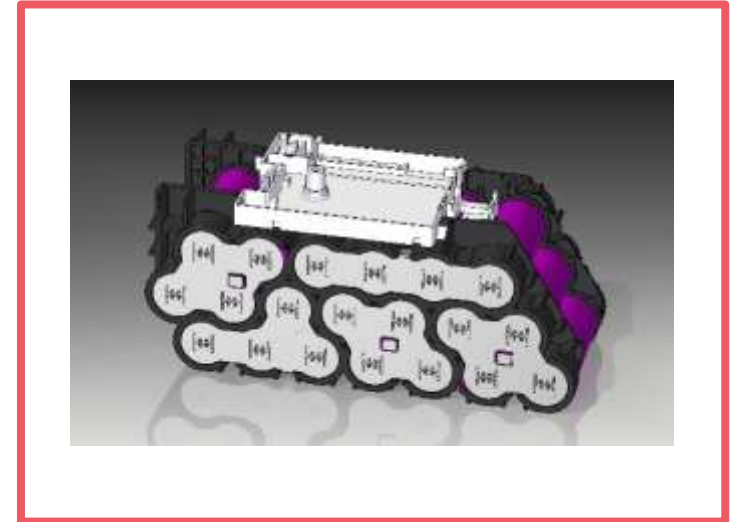
- product development with the customer
- feasibility studies, DFM analysis
- prototyping (Objet30 3D printer)
- tool management, mould flow analysis
- automation: assembly lines, single-purpose machines



Electronic development

DEVELOPMENT PROJECTS IN VT EP

- Jug blender complete design
- Hand blender lid top design
- Multi chopper adapter mechanical design
- Power tool 36V battery pack redesign
- Wheelchair battery pack design and validation
 - PCBA development also included



PLASTIC INJECTION MOULDING



Engineering

- thermoplastic + thermoset injection moulding
- 81+53 pcs TP and 39 TS PIM machines (TS only in Bulgaria), 15-650 t clamp force
- on-line real time data collection and evaluation system



Tooling



Injection moulding

- automation, robotized production cells
- tampo printing, hot stamping, laser engraving
- welding technologies (IR, mirror, ultrasonic, friction)

BOX BUILD ASSEMBLY



Industrialization



Battery assembly



Final product assembly

- mass production and service parts
- customized, personal solutions – production cells to assembly lines
- wide range of complex sub-assemblies / end-products
- assembly, testing, automation, late customizing

BATTERY ASSEMBLY



Play me!



Consumer use

- resistance & laser welding
- soldering
- potting
- assembling



Power tools and gardening



Automotive industry



E-bike

- screwing
- wire machining
- tamper printing
- ultrasonic welding



Industrial usage



Health care

- charging
- laser marking
- testing
- wrapping



Entertainment and telecommunication

CERTIFICATES

ISO 9001:2015
(Hungary - Bulgaria)



IATF 16949:2016
(Hungary - Bulgaria (optional))



ISO 45001:2018
(Hungary)



ISO 50001:2018
(Hungary)



ISO 14001:2015
(Hungary - Bulgaria)



ISO 13485:2016
(Hungary)



AEOF 2014
(Hungary)



PIM



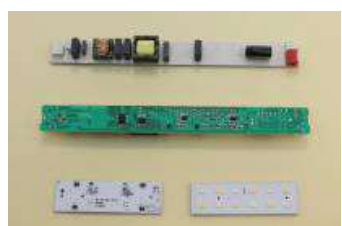
Battery assembly



Box build assembly



* Automotive



HUNGARIAN REFERENCES



3M

AKG
by HARMAN

alber

Amphenol

 **BOSCH**

CVR
SURGICAL

 **DIAGON**

 **TASKI**

FDK

HI-LEX

 **instagrid**

metabo

Miele

 **peiker**
a Valeo brand

PETZL

PHILIPS

P&G
BRAUN

RESERVED
for you

STIHL

Valeo

 **VIDEOTON**

BULGARIAN REFERENCES



ABB

DUNGS[®]
Combustion Controls

Honeywell

 **legrand**[®]

 **LEM**[®]

LIEBHERR

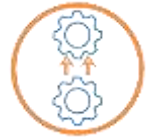
PHILIPS

Schneider
Electric[™]

 **VIDEOTON**
Group Members

 **SENSUS**
a xylem brand

WHY TO WORK WITH VIDEOTON?



Integrated manufacturing services – „One-stop shop”



Financial stability



Cost-competitive solutions



High flexibility



Customer-oriented focus

ONE PARTNER



MULTIPLE POSSIBILITIES

THANK YOU FOR YOUR KIND ATTENTION!

VIDEOTON HOLDING ZRt.

VIDEOTON Elektro-PLAST Kft.
VIDEOTON Battery Technologies Kft.
3 Izzó Str. H-7400 Kaposvár
Phone: + 36 82 502 100
vtep@vtep.videoton.hu

Máté Horváth
Business Development Manager
Phone: + 36 82 502 159
Mobile: + 36 20 277 6380
horvath.mate@vtep.videoton.hu

