

VIDEOTON

ONE COMPANY – MULTIPLE POSSIBILITIES

—

2022

TECHNOLOGY

STABILITY

SUSTAINABILITY

DYNAMISM

WHO WE ARE TODAY



A vertically integrated **industrial group** in best-cost Europe

- Privately owned
- Financially strong

One of the leading European **EMS providers**

- With extensive operations for mechanical parts

Complex service provider owning and operating **industrial parks**

- Including facility management and workforce secondment

30-years of proven **„adaptive” strategy**, maintaining diversity

- In customer-base: accounts from up-and-coming companies (incl. startups) till established global players
- In market segments: Traditional markets (like Automotive, Industrial or Household) as well as dynamically growing segments (such as Portable Energy, IoT or Smart Home)
- In technology and activities: making parts, modules and final-assembled products

HIGHLIGHTS

Founded in

1938

Private since

1992

Revenue
(2021)

617
Mill €

Equity
No debt since 2005

457
Mill €
2021

1

... of the Most
Valuable
Company in
HUN
Ownership**

11

Locations

9000

Employees*
(2021)

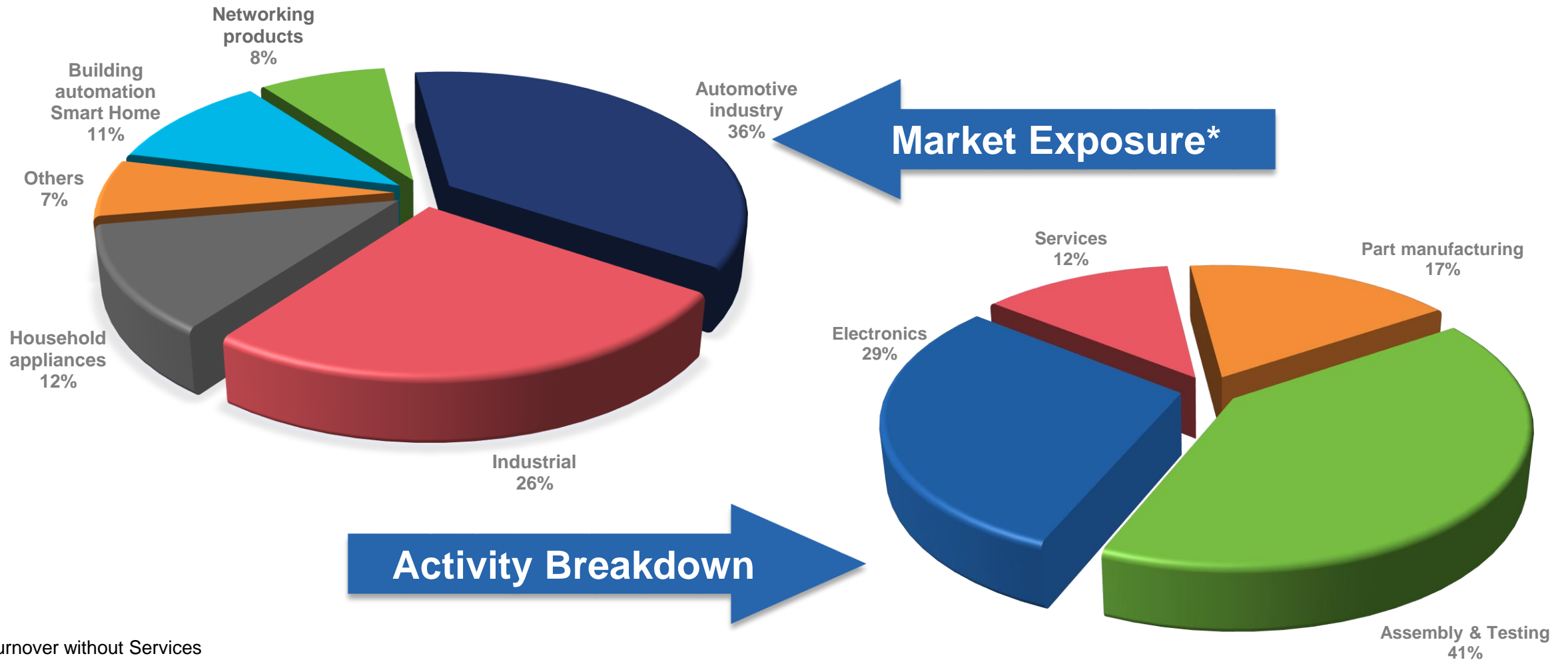
3rd

Among EMS
Companies HQ'd
in Europe

* 2500 employees in services and temporary work

** According to Forbes in 2021

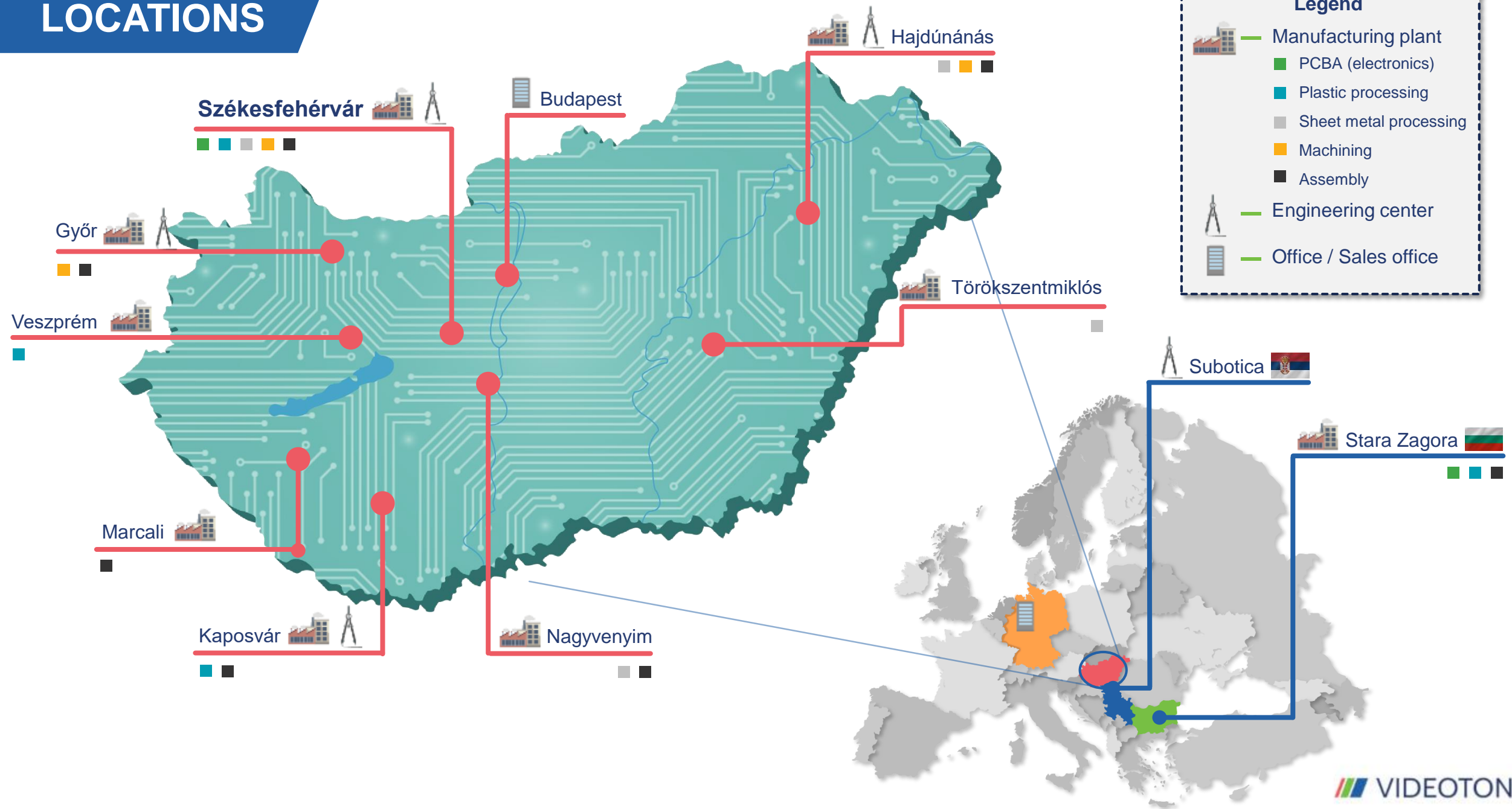
MARKETS & ACTIVITIES 2021



* Turnover without Services

** Including Electrical safety, Power generation, UPS, Instrumentation & Measurement, Semiconductor industry, Photovoltaics, Terminals & vending machines, Commercial and Industrial HVACR, LED Lighting, 3D printers, Robotics, Water treatment, Elevators, Power tools, Professional floor care machines

LOCATIONS



VIDEOTON GROUP

Manufacturing Companies

PCBA & Box build assy.



VT Automotive Electronics

Automotive EMS
Box build assembly



Videoton EAS

Non-automotive EMS
Box build assembly



Videoton EAS Bulgaria

Non-automotive EMS
Box build assembly

Part mfg. & Box build assy.



VT Elektro-PLAST

Assembly & box build
Plastic injection moulding



VT Battery Technology

Battery pack assembly



VT ES

Box build assembly
Enclosure manufacturing
Sheet metal fabrication



VTBH (Bulgaria)

Electromechanical and mechanical
assembly & box build services



VT Mechatronics

High complexity assembly
and machining



VT TIPA

Robotized assembly lines
Testers



VT ASYST

Robotized assembly lines
Testers

Part mfg. & Heavy duty assy.



VT Plastic

Automotive-focused injection
moulding



VT Bulplast (Bulgaria)

Thermoplast injection and thermoset
injection and compression moulding
Tooling



VT METAL

Medium to high volume machining
Electroplating, KTL



KVJ Muvek

Stamping w/ presses



VT Precizios

Injection moulds



VENTIFILT

Heavy-duty fans, filters
Large steel fabs



VT Systemtechnics

Shelter / container mfg.

Service Companies



Pannonjob

HR services



Industrial Park

Building lease & services



VT ARtrans

Logistics services



Pannonfacility

Facility management

Centralized (Holding) function
Function shared between
Holding & subsidiaries

VIDEOTON HOLDING

Controlling

Property Mgmt

Legal

Business Development

Finance

Sourcing

IT

HR

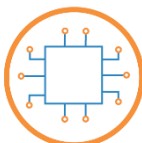
Design & Engineering

LEVELS OF SERVICES

HIGH LEVEL ASSEMBLY & BOX BUILD & SYSTEM INTEGRATION



CORE ACTIVITIES



PCBA



Battery pack assembly



Plastic Injection Moulding



Sheet metal fabrication



Stamping



Machining

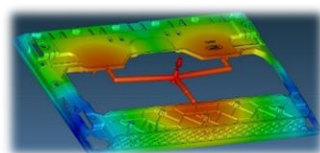


Surface treatment

Design & Engineering



Co-design of mechanics & PCBAs, early involvement



DfX services Production engineering



Industrialization

Supply chain management



Value chain & vertical integration

ADD-ON SERVICES

SPECIAL MANUFACTURING COMPETENCES



Robotized assembly
lines and testers



High precision
equipment assembly



Battery pack assembly



Large welded steel
construcions

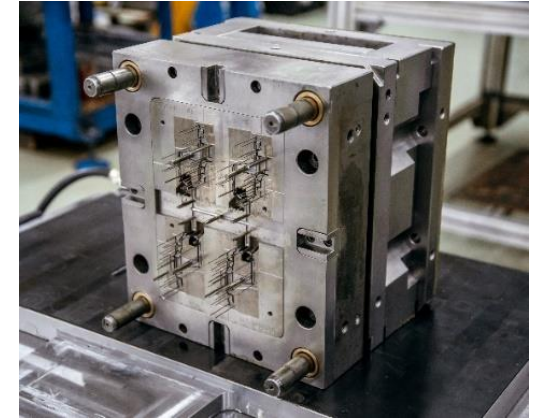


Customer-specific
shelters

A TYPICAL YEAR FOR VIDEOTON

We do this...

- **4,6+ billion** electronic components mounted
- **5000+ tons** of plastic granulates consumed
- **7000+ tons** of sheet metals processed
- **2000+** moulds used (~60 newly built)
- **55+ million** battery cells are processed
- **80+** assembly lines & testers designed and built



- ~**500** engineers
- **41** SMT lines
- **240** plastic injection moulding machines
- **20** CNC sheet metal fab. equipment
- **33** hydraulic and eccentric presses
- **40** pcs of machining centres

...with this

DIVERSIFIED CUSTOMER BASE I.

AUTOMOTIVE



Audi



BOSCH



Continental

DENSO



faurecia

flex



HI-LEX



KÖTTÖ



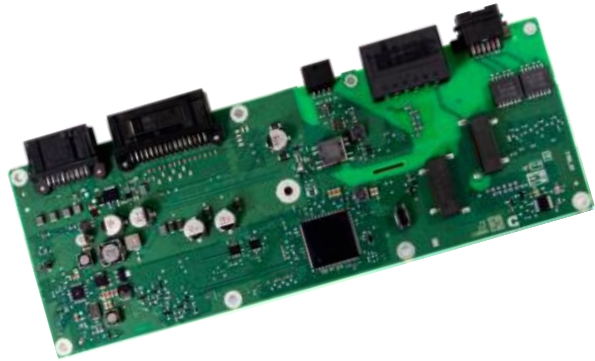
MAHLE



MANN+HUMMEL



PRODUCT REFERENCES I. - AUTOMOTIVE



Battery management unit
VT Automotive Electronics



Oil pump controller
VT Automotive Electronics



Oil pump housing
VT METAL



2-component head light module
VT Plastic



KTL painting of brake pedal
VT METAL



ESP bracket assembly
KVJ Muvek

PRODUCT REFERENCES I. - ELECTROMOBILITY



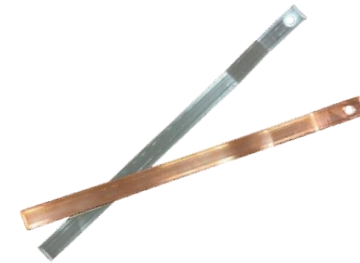
Heat transfer plate for the electronics of the ac dc converter for EV cars
VT METAL



EV charger with own developed and built assembly line
VIDEOTON EAS & VT ES



Electric power steering control unit
VT Automotive Electronics



Semi-bright galvanic nickel coating of EV busbars
VT METAL



EV car valve housing of air conditioning systems
VT METAL



On-board charger electronics
VT Automotive Electronics



Sound box stimulating engine sound in e-cars
VT Plastic

DIVERSIFIED CUSTOMER BASE II.

INDUSTRIAL



PORTABLE ENERGY



PRODUCT REFERENCES II.



3D printer
Several **VIDEOTON** member
companies



Wearable barcode scanner
VIDEOTON EAS



HVAC controllers
VIDEOTON EAS



Self-checkout system
VT ES



Energy store system
VT ES



Battery packs for power tools
VIDEOTON Battery Technologies



High level assembly for semicon equipment, PV
and similar markets
VT Mechatronics



Moulded case circuit breaker (MCCB)
and Air Circuit Breaker (ACB) terminals
VT METAL



Final assemblies portable battery
systems
VIDEOTON Battery Technologies

DIVERSIFIED CUSTOMER BASE III.

BUILDING AUTOMATION/ SMART HOME



TELECOM DESIGN

NETWORKING PRODUCTS/ COMMUNICATION



PRODUCT REFERENCES III.



Wireless router
VIDEOTON EAS



Smart radiator control unit
VIDEOTON EAS



Smart Alarm Terminal
VIDEOTON EAS



Fine mechanic assembly of water
meter registers
VT BH (Bulgaria)



Box build assembly of voice & data
routers for enterprises
VT Automotive Electronics



Smart home control
devices
VIDEOTON EAS



Electro-mechanical assembly of
circuit breakers
VT BH (Bulgaria)



Smoke detector PCBA
VIDEOTON EAS



Building automation
VIDEOTON EAS



Basic structures for pressure switches
for gas and air systems
VT BH (Bulgaria)

DIVERSIFIED CUSTOMER BASE IV.

HOUSEHOLD



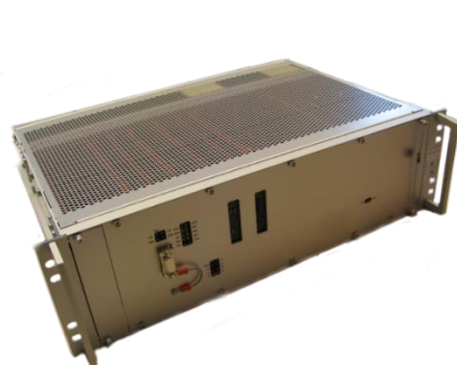
OTHERS



PRODUCT REFERENCES IV.



All of the featured products are made by
VT Elektro-PLAST



Railway safety equipment
VIDEOTON EAS



YOUR CHALLENGES – OUR ANSWERS

YOU might face the following challenges and needs

BETTER COST SOLUTION IN EUROPE

Need to replace traditional Western European suppliers due to the growing price pressure, but want to keep the supply chain in Europe for flexibility, IP protection or other reasons

ALTERNATIVE TO CHINA

Need to transfer back / set up alternative production solution from / beside China for increasing resilience

INTEGRATED SOLUTION

If you look for an all-around B2B UX as a startup/scaleup

FOCUS

Want to focus only on core activities like R&D or function design

VIDEOTON might be your right partner due to our competitive advantages



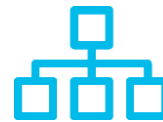
Ideally located in **Eastern European countries** like Hungary and Bulgaria(incl. the overhead)



Experience in both **high volume low mix and low volume high mix** projects regardless of technology



Working for many segments and have a **wide range of technologies** (→ high cross-industry knowledge on manufacturing side)



Flat and flexible organization, private ownership and a highly stable financial background that make quick decisions possible (incl. on project-specific investments).

VIDEOTON & OUR CUSTOMERS: A LONGTERM, STRATEGIC APPROACH

OPEN FOR NEW MARKET SEGMENTS

Videoton has no rigid preferences regarding the markets and applications it wants to work for. As a pure CM, we are always open to and want to enter new segments, proactively learning and investing into the specifics.

LONG-TERM LOYALTY

Not being present at the focal point (center of gravity) of the innovative actions of our target markets, we need often guidance and trust from our customer being the icebreaker, as the first customer in a technology or industrial segment. We prove our attitude with outstanding long-term commitment and loyalty.

OPEN TO LEARN

Our region's industrial density, cluster-building capability and the integration of higher education with the local industry are all lagging behind Western Europe and China. Hence, we need **the support and motivation of our customers** in those areas (segments, processes etc.) where we do not have any meaningful experience yet.

CREATING LOCAL SUPPLY CHAINS

We expect global companies investing in the region, most of the time with substantial financial incentives being committed for local supplier development for flexible supply and strengthening the local economy. We want to take part in this journey.

THANK YOU FOR YOUR KIND ATTENTION!

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