

Brussels 4/2/2015

Lubos Zilka



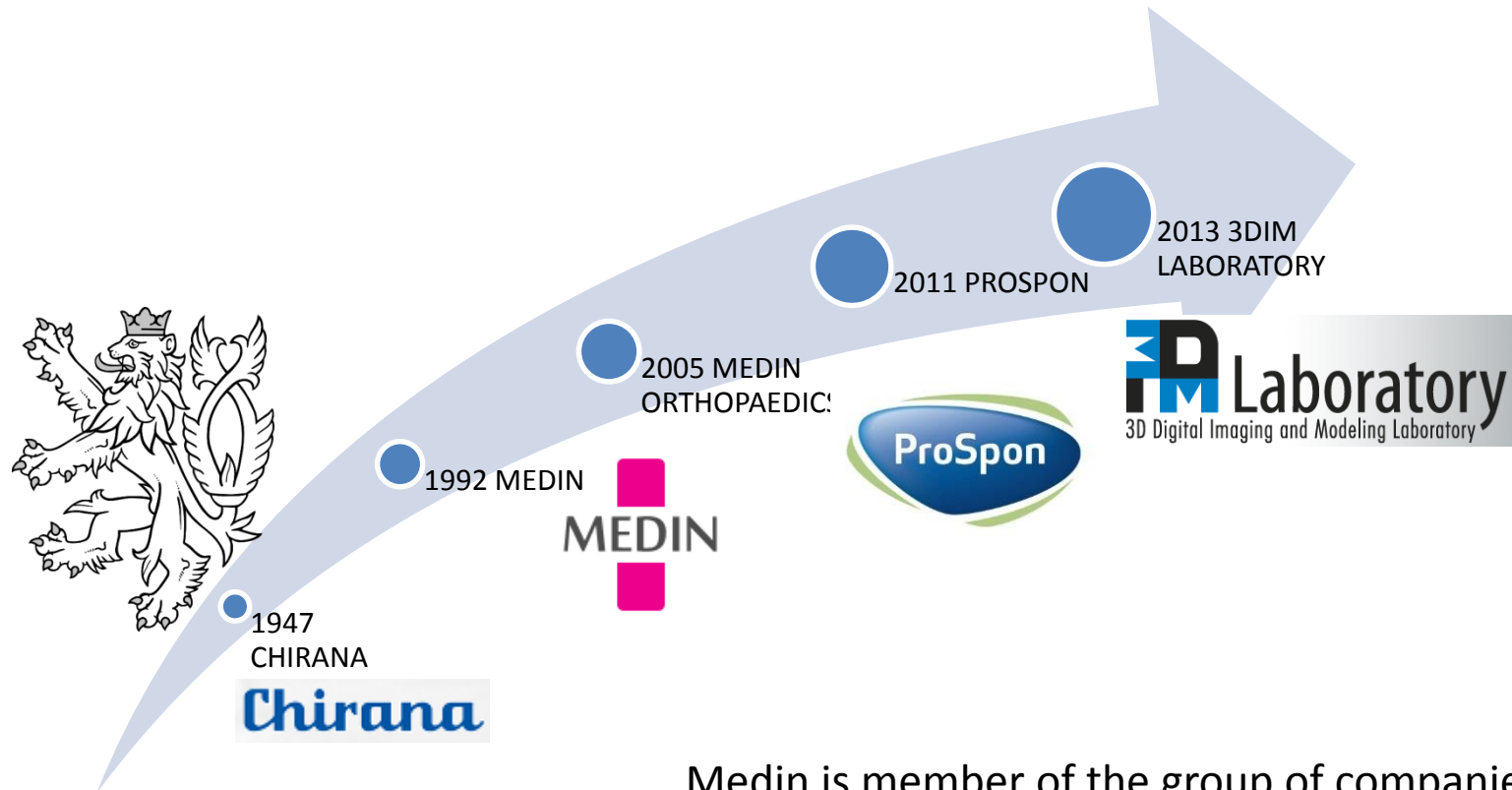
MEDIN, a.s.

A traditional Czech manufacturer of medical instruments and implants since 1949



MEDIN, a.s.

- **1949 - Chirana s.p.** – company making dental drills and millers for dental laboratories
- **1950 - Chirana s.p.** – production of surgical instruments
- **1980 - Chirana s.p.** – production of traumatology implants
- **1992 - Chirana s.p. -> MEDIN, a.s.** established
- **2006 - MEDIN, a.s. + Medin Orthopaedics, a.s.**
- **2010 - MEDIN Russia** established
- **2012 - MEDIN established** (in Slovakia)

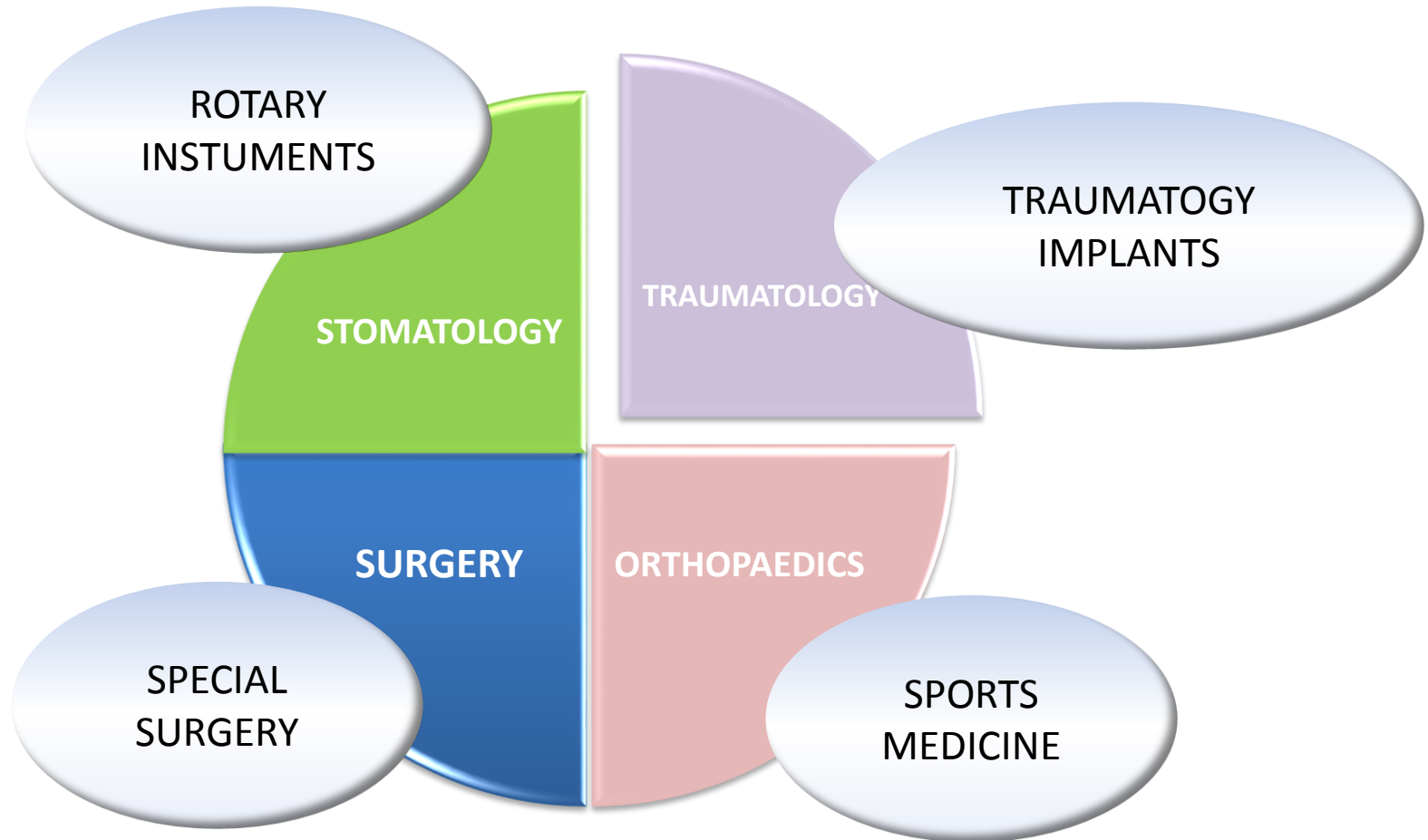


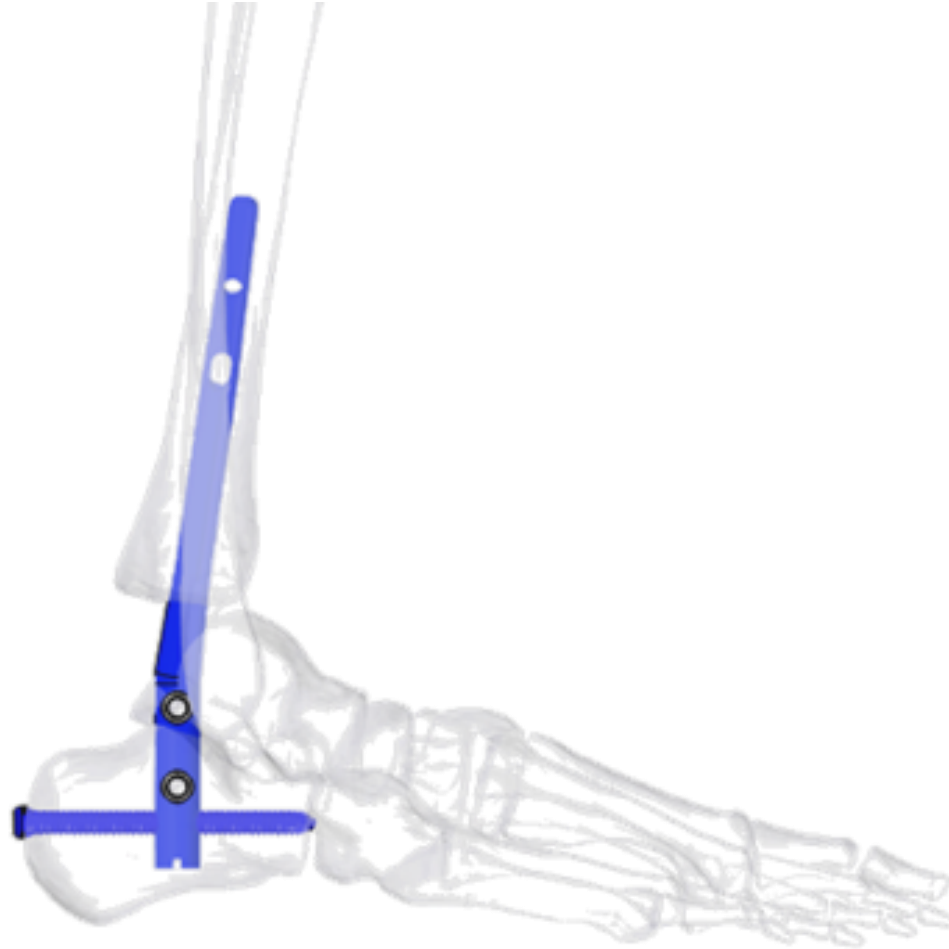
Medin is member of the group of companies that cooperate together in the development of products. Each member of our group is independent.

MEDIN - OUR FOCUS



Medin focuses on four groups of products:





TRAUMATOLOGY

This group contains implants and instrumentations as nails, plates, screws, wires for osteosynthesis of the bone.



Scissors
Twisters
Pliers
Retractors
Endo surgery

SPECIAL SURGERY

for open and close operation
techniques



SPORTS MEDICINE

arthroscopy punches, interference screws
Arthroscopic Instrument Set of instruments

MEDIN



UNICONE
time for change

STOMATOLOGY

diamond burs, carbid burs, root canal instruments,
barber broach

R&D MEDIN

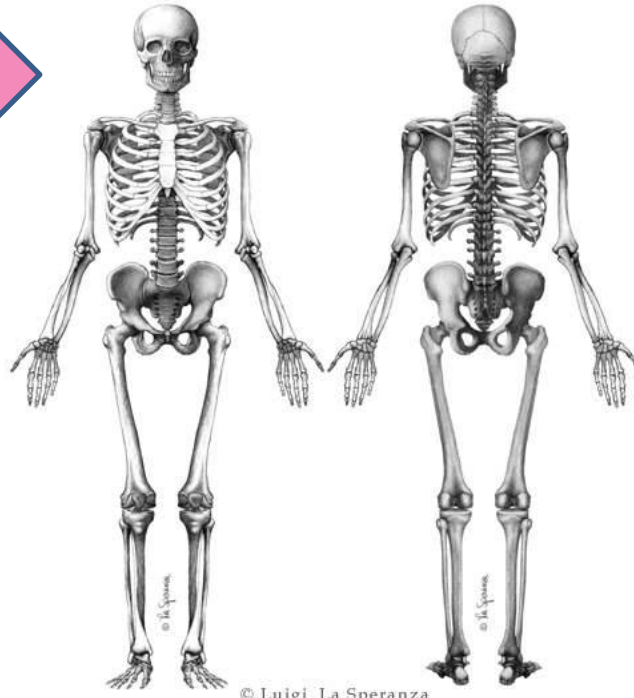
R&D consists of four teams:

TRAUMA

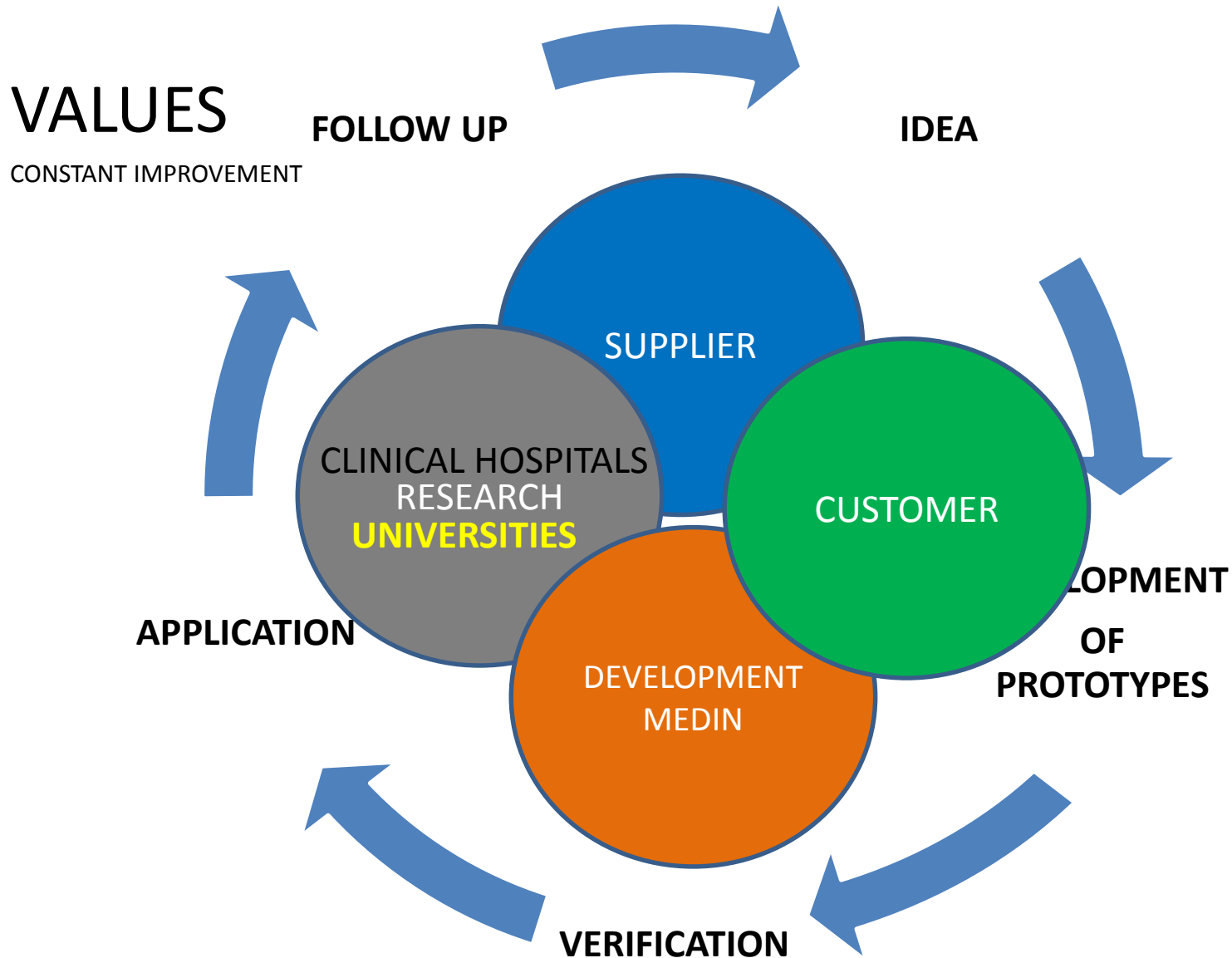
SURGERY

STOMATOLOGY

DEVELOPMENT OF
NEW MACHINES AND
TECHNOLOGY



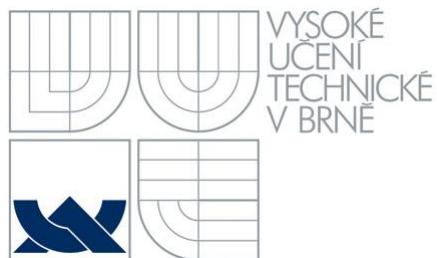
© Luigi La Speranza



Our current projects are:

- **TA 03010804** - Development of small implants for extremities
- **TA 04011720** - Development of operation techniques for fractures of pelvis
- **TA 04011606** - Development of preoperation 3D SW for surgeons and designers
- **TA 04011214** - Development of new surface for titan implants
- **TA 04010100** - Development of tribology surface
- **TH 01020049** - Development of operation technique for femur fractures
- **TH 010 20487** - Development of Endodontology instruments

OUR UNIVERSITY PARTNERS



ČVUT PRAHA
VŠB OSTRAVA
KARLOVA UNIVERZITA PRAHA
MASARYKOVA UNIVERZITA BRNO
VETERINA BRNO
VŠCHT PRAHA



OUR SUCCESS IN PROJECTS:

- Development of a new operation technique for **fractures of calcaneal bone**
- Development of a new operation technique for **fractures of acetabulum**

We cooperated with universities.

OUR SUCCESSFUL PROJECTS:

- C-NAIL is an operation technique for fixing fractures of the calcaneal bone. It is a unique product. Thanks to this method the patients can return to their standard life sooner.



We received this award for an innovative company with our product C-NAIL.



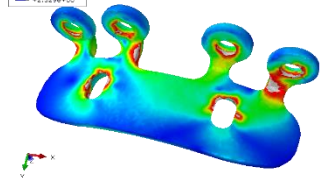
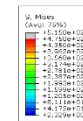
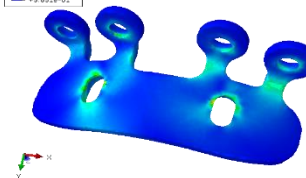
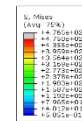
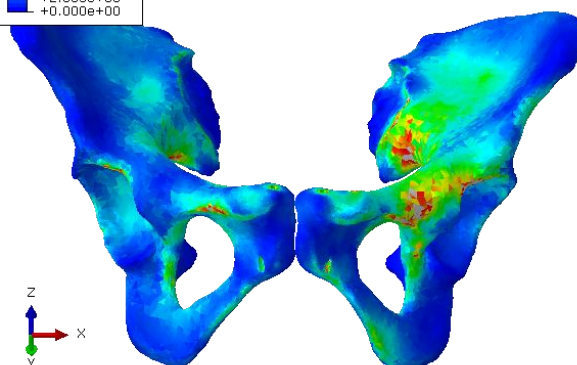
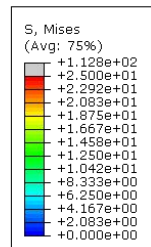
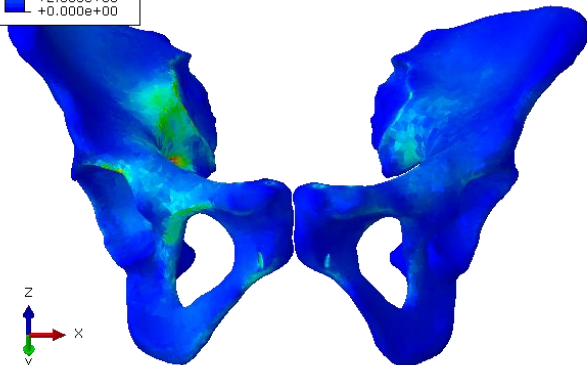
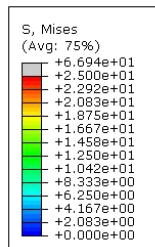
OUR SUCCESSFUL PROJECTS:

- Development of a new operation technique for fractures of acetabulum



OUR SUCCESS IN PROJECTS:

- Development of a new operation technique for fractures of acetabulum



What are we looking for?

Partnership with an international team that has experience in developing:

- **Operation techniques** for bone surgery, sports medicine or regenerative medicine for joints
- **Improvements of materials** and surfaces (biodegradable materials, ceramic materials, polymers materials, shaping material for implants) for improvements (antiallergic materials, barrier surface, antibacterial surface, antiallergic surface, osteointegration surface)
- **Preoperative planning** based on CT scan for traumatology
- **Individual attitude** to patients in bone surgery (inborn deformity, posttraumatic deformity, 3D printing of metal and nonmetal implants, individual implants)
- **Monitoring of healing** of fractures

What can we offer?

- A well-skilled team and trained designers
- Development and test equipment
- Experience in development of medical devices
- Professional attitude

Our competences and experience:

- Design of medical devices for
 - traumatology, orthopaedics
 - open and close surgery
 - rotary dental instruments
- Design of grinding 6 axes machines
- Design of chemical process equipment for the production of medical devices
- Production of prototypes and design of tools
- Mechanical test of prototypes
- Experience with legislation rules for medical devices

Our equipment for development:

- Biomechanical test laboratory
- Workplace for designers with SW **Solid Edge**
- Rapid prototyping printer
- Development shop for production of prototypes
- Production shop with technology for medical devices
- Tool shop with high tech technology equipment
- Education centre
- Training centre with a workshop room

We received this award from our Ministry of Industry and Trade for our R&D centre.



Agentura pro podporu podnikání a investic CzechInvest a Ministerstvo průmyslu a obchodu udělují

3. místo

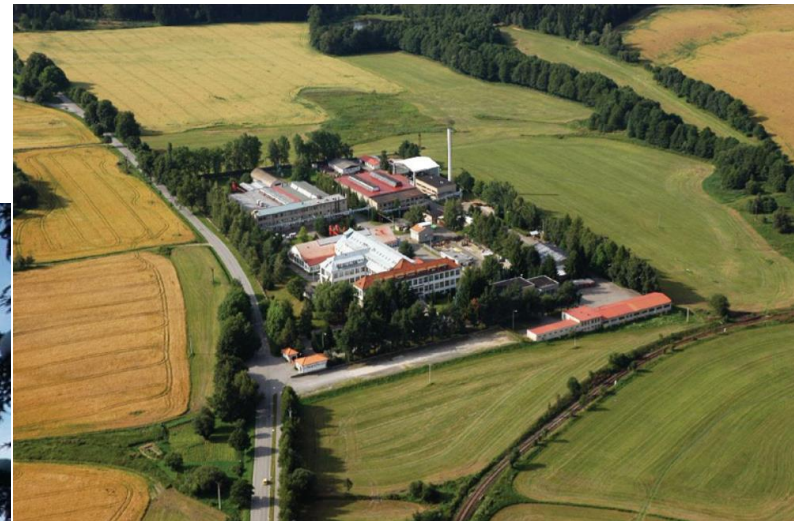
v kategorii

Výzkumně - vývojová kapacita (Potenciál)

MEDIN, a.s.

za projekt

Vývojové centrum MEDIN



You are welcome to visit us in
Nové Město na Moravě

**Thank you for your time and
attention**