



Implants and instruments for orthopaedics



The ardour for creation.
The joy of serving aid.

CHM[®]



*There is no better reward found than a smile of a pleased patient being restored to health.
Even though we cannot see it, this picture is deeply in our mind when developing new products.*



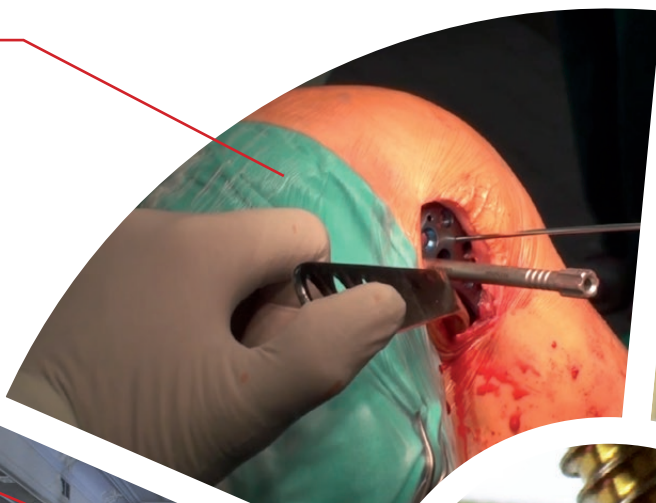
We design

We serve aid

We interact

We care for quality

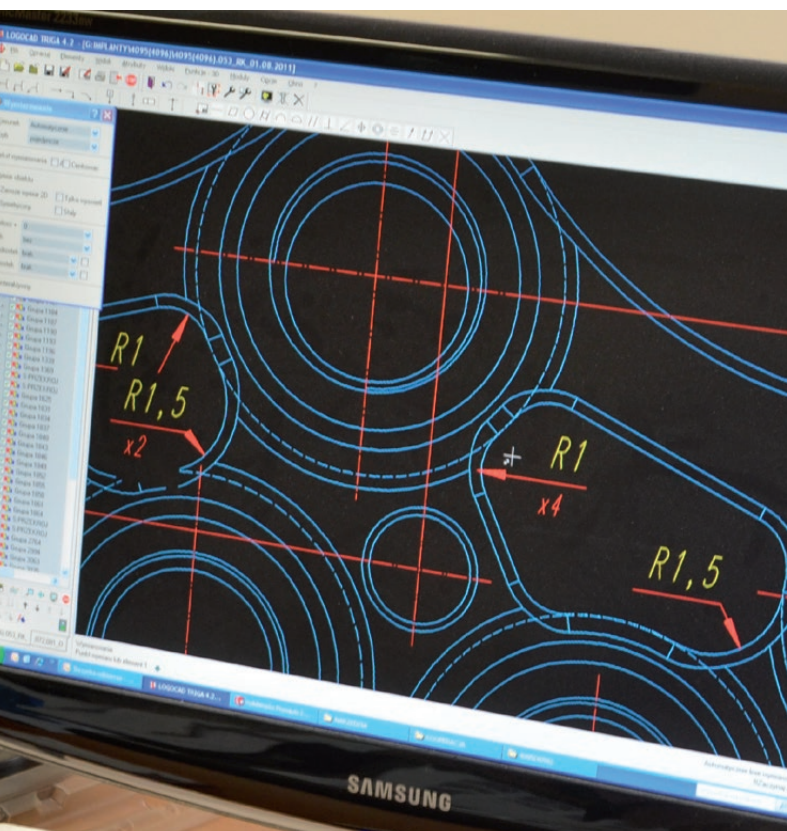
We produce





We design

Our development is inspired by the latest research and technological advances.



We design deriving benefit from the latest achievements in science and technology. Our open-minded and ambitious employees monitor the recent reports in field of the medicine and biotechnology.

The design-engineers, technologists and young scientists involved in creation process of new products interact not only with each other but they also closely cooperate with leading university research units. They attend the major science events to augment their knowledge and to exchange the experience with specialists.





We produce

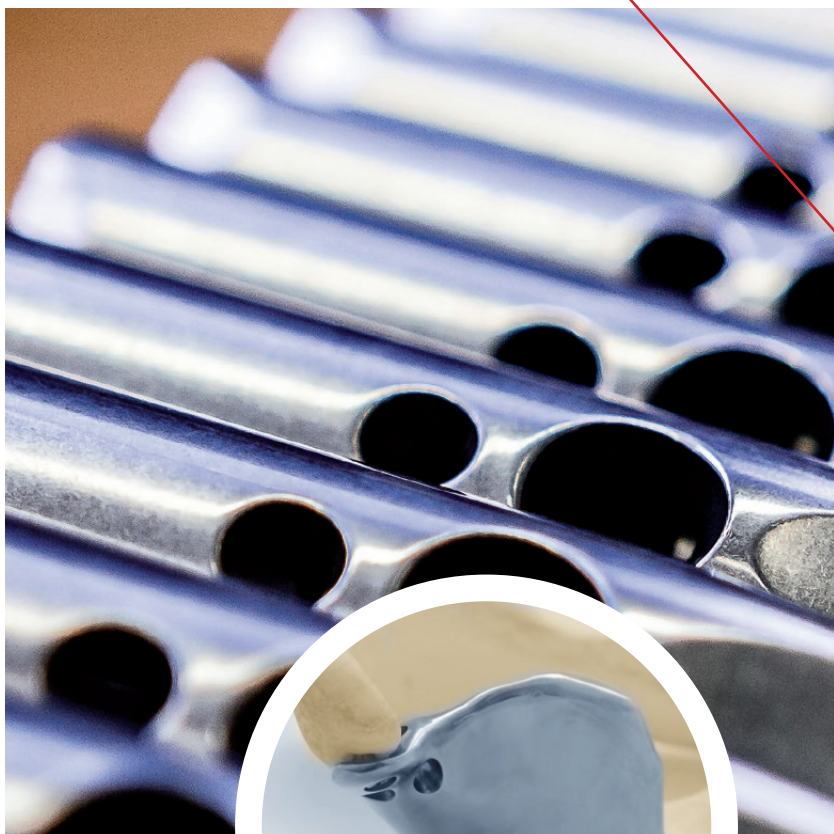
We are effective in accomplishing our goals and continuous improvement of our performance.



All ideas, developed by our trio: Science Department, R&D Department and Technology Department, are initially verified by prototyping and tested on-site. Only then they are implemented by the production department strictly to the approved technical documentation.

The up-to-date machinery and procedures involved at every stage of designing process result in production of high-quality implants and instruments.

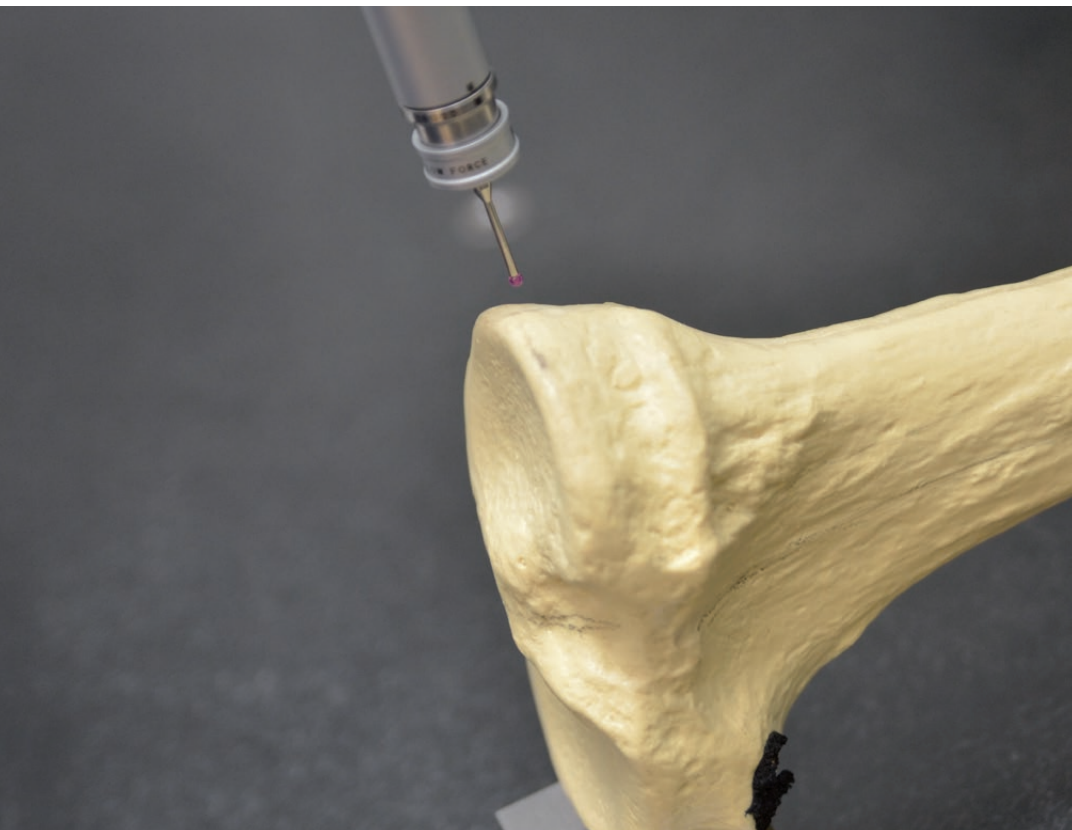
The mass production is not a challenge for us anymore. Today, we can and we succeed with customized implants.





We care for quality

We take an uncompromising approach to all aspects of quality.



Our uncompromising approach to quality is authenticated by ISO certificates and CE sign, annually validated by TÜV Rheinland – one of the most recognized international notified body.

Taking care of the product safety – both selection process of raw material suppliers and production are subject to restrictive quality and endurance tests being conducted in own laboratory.

But quality - it is not just a product itself. It is also a service, that being indisputable added value, is often even more important in winning new client. That is the reason we constantly improve ourselves to become a reliable partner for our suppliers and customers.





We interact

We are a reliable partner for our suppliers and customers.



Continual interaction with medical environment and close co-operation with research centres afford our products to be acknowledged both by Polish and foreign surgeons.

The most recognized international orthopaedic congresses: AAOS in USA and EFORT in Europe are the events in the course of which we present our newest solutions. The feedback, we collect, helps us to understand better the needs of modern orthopaedics and hence to serve better the surgeons and their patients.





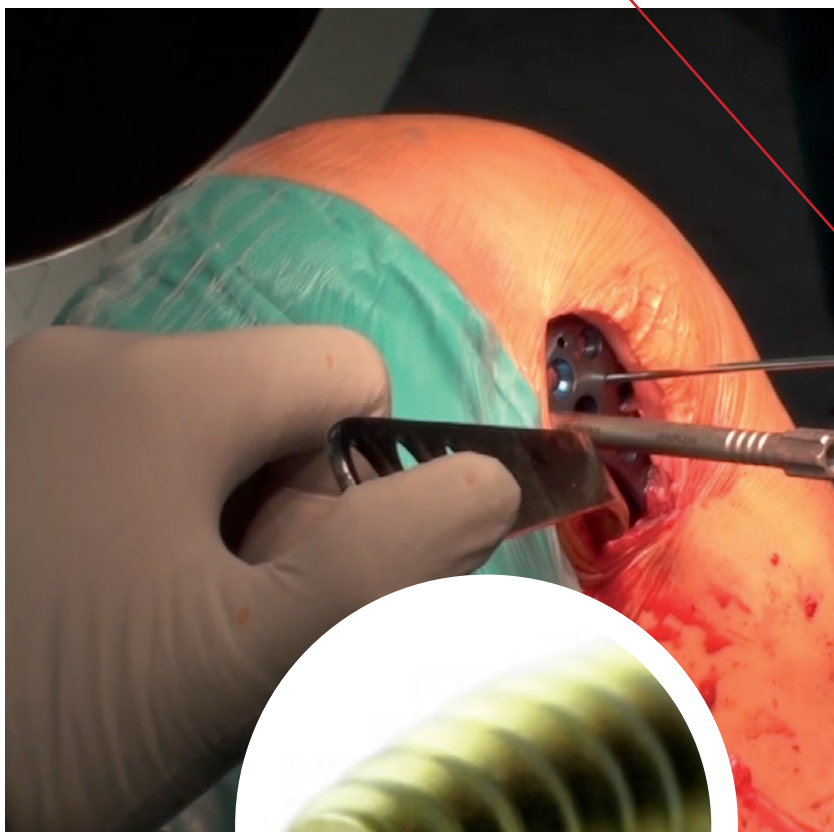
We serve aid

Surgeons' and their patients' comfort and safety are our priority.



Therefore we organize regular professional trainings for medical staff covering the area of use and applications related to ChM implants and instruments. Annually, as many as 500 specialists participate in our training sessions.

150 patients a day are served with the ChM implants so they have a chance to enjoy their physical fitness again.





Our key products

What we drive our efforts to are solutions dedicated to osteosynthesis – “the golden standard” of modern orthopaedics and traumatology in treating of long bones’ fractures.

Besides, by developing the systems for spine stabilization for skeletally mature and immature patients, we also strive to help patients suffering from spine disorders.

Intramedullary
nails



Locking plates



Implants on
request



Systems of spine
stabilization



Radial head
prosthesis GKP



Implants for
arthroscopy





Intramedullary nails

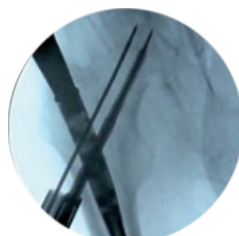


CHARFIX System is dedicated to osteosynthesis of human long bones. The system comprises implants and instrument sets together with surgical techniques that facilitate their insertion and removal. Implants are made of stainless steel or titanium alloy and they are available in solid or cannulated version.

The design of individual nails allows to apply various stabilization methods and enables stabilization of low peripheral fractures. The diversity of holes and their distribution both in proximal and distal part of the nail offer option of multiplane fixation.

An alternative of locking a screw in the nail ensures safer fracture stabilization and reduces the risk of angular displacement and fragments dislocation.

The system provides distal targeting devices that facilitate screw insertion in distal part of the nail. The device is applicable with nails for femur, tibia and humerus.





CHARFIX *system 2*

Charfix Femoral Nail
ChFN *system 2*

CHARFIX System 2 – is a new generation of CHARFIX System that combines the most advantageous features of the precursor and introduces a number of new solutions.

Implants are made of titanium alloy with higher biocompatibility due to which they expand the diagnostic range for MRI. The profiles of the nails prove better adaptation to the bones' anatomy and ease their insertion. An option of targeting locking screws at an angle other than perpendicular to the nail axis enables fixation of complex comminuted fractures. Double thread used in the locking elements effects their faster screwing in.

Targeting devices included in instrument sets adopt radiolucent elements so that they assist intraoperative X-ray control of the implant position. Furthermore, they enable effective and quick screw insertion in each hole of proximal nail sections.





Locking plates



4,0 ChM Locked Plating
ChLPsystem

5,0 ChM Locked Plating
ChLPsystem

7,0 ChM Locked Plating
ChLPsystem

Locked plating ChLP System is made of titanium alloy and involves three colour coded subsystems:

- green 4.0ChLP – aimed to cope with the fractures of small bones (foot, hand, wrist) and forearm bones;
- brown 5.0ChLP – designed to treat fractures of tarsus, tibia and fibula as well as long bones of upper extremity with clavicle;
- blue 7.0ChLP – intended to manage fractures of lower extremities.

The system includes implants, instrument sets and additional accessories, such as stands, sterilizing containers, etc., all of which facilitate storage, logistics and operating in the surgery room. Surgical techniques, attached to each instrument set, guide the surgeon stepwise through the procedure.





The system combines locking screw technique with conventional treatment techniques using plates and performs stable angular fixation of bone fragments.

Plates are manufactured with separate holes for locking and standard screws. The design of proximal plate sections contributes to multidirectional and multidimensional insertion of screws allowing for treating comminuted metaphyseal fractures, thus ensuring better reconstruction of articular surfaces.

The system offers comprehensive range of pre-contoured plates to bridge a wide scope of fractures. The additional aiming blocks simplify hole performance and appropriate insertion of locking screws. Separate instrument sets intended for individual plates serve also the possibility to apply MIPO technique.





Main export markets

EUROPE :

Belarus
Czech Republic
Estonia
Germany
Greece
Latvia
Lithuania
Portugal
Romania
Russia
Slovakia
Spain
Turkey
Ukraine

ASIA:

Azerbaijan
Iran
Kazakhstan
Lebanon
Saudi Arabia
Syria
Tajikistan
Uzbekistan

AMERICA:

Argentina
Brazil
Colombia
Mexico

AFRICA:

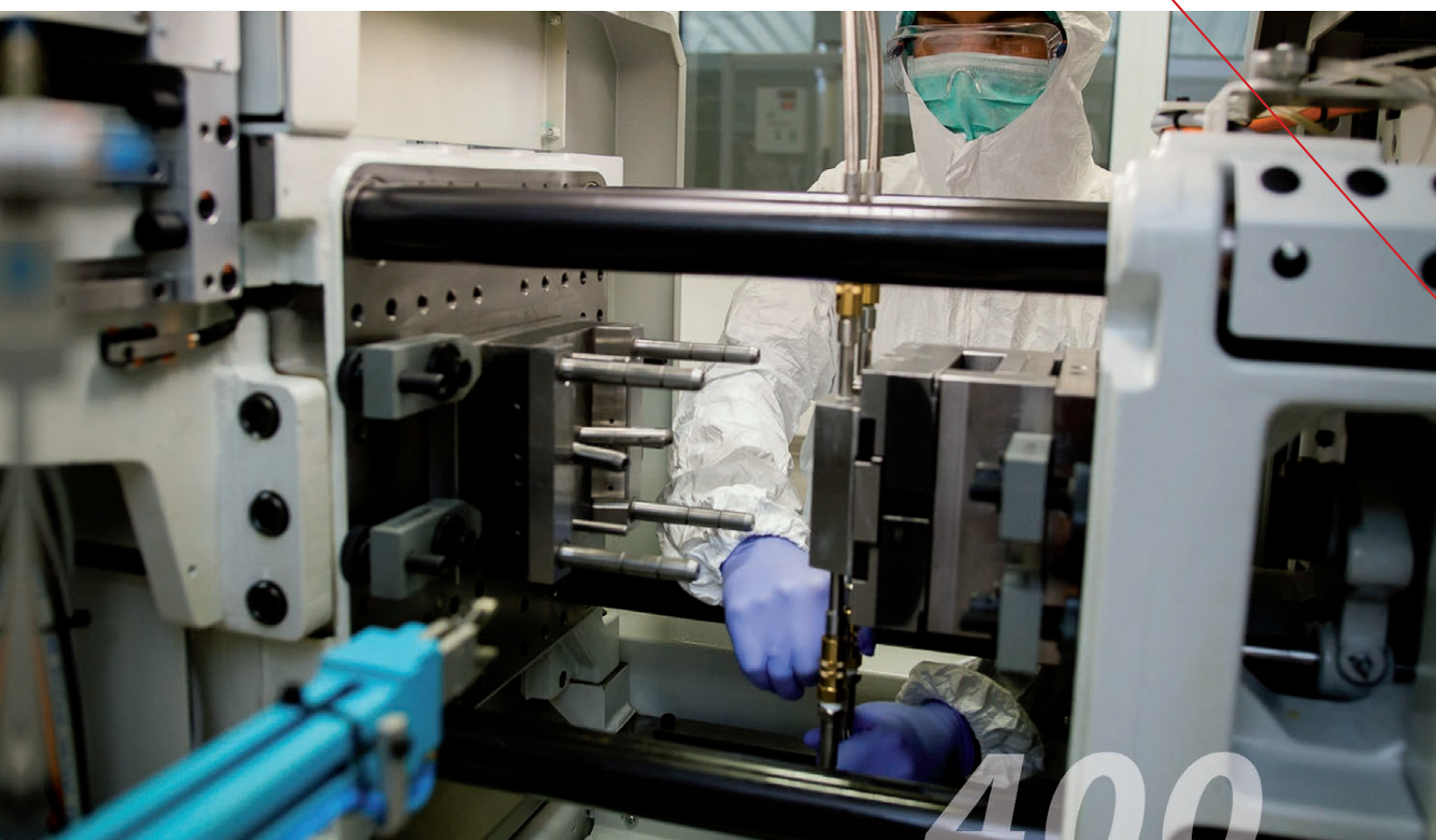
Libya

AUSTRALIA:

Papua New Guinea



ChM is a company with 100% Polish capital. All shares are still held by the founder's family – the Charkiewicz by name. The business activity was started in 1981 and gradually developed to an advanced manufacturing structure.



employment:

400

total revenue from sale:

12.5mln EUR

export:

62%

expenditures for R&D:

8%

of sale annually

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