

FEMORAL COMPONENTS

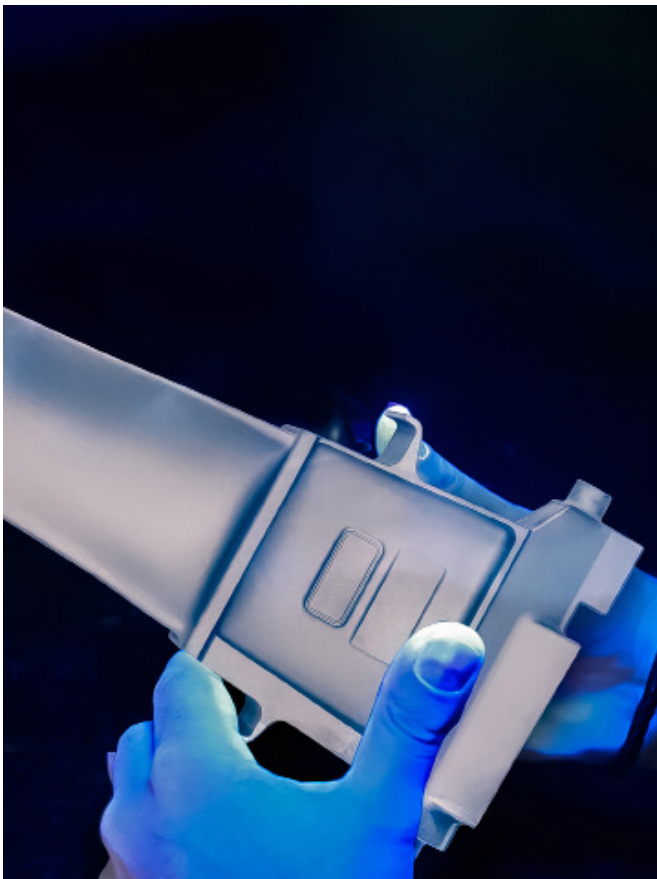


AEROSPACE • INVESTMENT CASTING • CRYOGENICS • SURFACE TREATMENT

WE ARE SPECIALIZED MANUFACTURER

We cast knee replacements for the orthopaedic industry. We have mastered the technology of precision casting of more than ten different types of cobalt-based superalloy castings to produce them. Our foundry technicians are directly involved in developing other types of components. Our foundry uses state-of-the-art equipment

and adheres to strict production conditions, which give customers a guarantee of high-quality castings for any use. For inspections, we use both X-ray inspection methods and chemical analysis of castings, as well as their 3D dimensional inspection and FPI-testing.



WHY PBS

We spent years developing, manufacturing, and improving many products in aerospace, engineering, casting and cryogenic fields. Most of these divisions and many of our products are used by major players in those fields. However, very few products ever reach the everyday consumer. But one of our products that do end up (literally) touching people at an individual level is our femoral component castings.

Our involvement in creating our cast femoral component for knee replacement brings us a great deal of pride and gratitude, knowing that we are taking part in an essential part of the process which helps many people worldwide receive the ability to walk better.

FEMORAL COMPONENTS

We have been producing high quality femoral components since 2010.

Our precision casting foundry uses state-of-the-art equipment and adheres to strict production conditions. This gives our customers a guarantee of

high-quality castings for any use. For inspections, we use both X-ray inspection methods and chemical analysis of castings, as well as their 3D dimensional inspection and FPI-testing. Highest quality assured.

QUALITY ASSURANCE

- › State-of-the art equipment
- › X-ray inspection
- › 3D dimensional inspection

- › FPI inspection
- › Production since 2010



JOINT REPLACEMENTS

- › 4,000 pcs produced annually
- › R and L version
- › 6 different sizes

TIBIAL PLATES

- › 2,000 pcs produced annually
- › Different sizes

MATERIAL

CoCrMao

WE ARE PBS

The PBS brand history in precision engineering goes 200 years deep. Today's PBS Velka Bites is an innovative engineering company focusing its activities foremost in aerospace industry. **PBS develops and manufactures turbojet, turboprop and turboshaft engines, auxiliary power units (APU) and environmental control systems (ECS).**

The PBS production program also includes precision casting, precision machining, metal finishing and last but not least production of components for cryogenics. PBS Velka Bites is a member of PBS GROUP a.s.



DOA, POA a MOA



AS 9100,
ISO 9001 a ISO 14001



Non-destructive
testing (PT, RT)



První brněnská strojírna Velka Bites, a. s.

Vlkovská 279, Velka Bites 595 01

Czech Republic, EU

foundry@pbs.cz

www.pbs.cz

