SET FEMORAL OSTEOTOME SYSTEM

This set is made up of devices designed for femoral prosthesis revision operations.

FEMORAL BLADES

Femoral blades are surgical devices designed to allow femoral prosthesis removal. Each blade has a different geometry feature, like curvature, cutter shape or length of the body, which is optimized to offer high flexibility of use and great mechanical strength at the same time. They are made of AISI 420B stainless steel.

SET ACETABULAR OSTEOTOME SYSTEM

This set is made up of devices designed for hip prosthesis revision operations.

ACETABULAR BLADES

Acetabular blades are surgical devices designed for hip prosthesis revision operations; the devices are used together with an Osteotome Handle. They are connected to their handles by specifically designed screws. They are made of AISI XM-16 stainless steel.

HANDLES

Silicone Handles are surgical devices designed to secure a stable coupling with all instruments made up of M8 or M6 connection system. Different shapes are available to meet every needs during surgery and coating colours are customizable. It is also possible to emboss a personal logo on the silicone coating.

CONTACTS

HPF S.r.l.

Operational Headquarters:
via Pinzano, 24
33030 Forgaria nel Friuli - Udine ITALY
Tel. +39 0427 809811
Fax +39 0427 809817
www.hpfgroup.it

Registered Office:
via A. Marcuzzi, 2
33034 Fagagna - Udine ITALY
Tel. +39 0432 812711
Fax +39 0432 812790
info@hpfgroup.it

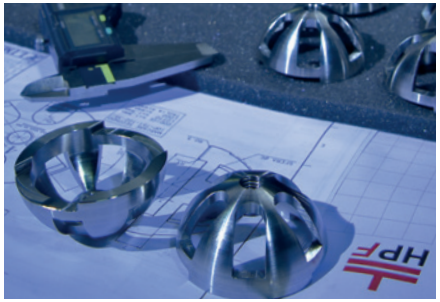
HPF

HPF meets the needs of a global market that demands a high standard of technology and quality of the products. HPF is specialized in the fields of hot forging, heat treatment, surface finishing and mechanical manufacturing of special metals.

PRODUCTS FOR THE MEDICAL FIELD

HPF

HPF is specialized in the production of hot forged, heat treated and mechanically shaped metal components. The Company is a privileged supplier of medical, aerospace, automotive and power generation markets, often collaborating with the latter in the development of new processes and products and always pursuing customer satisfaction as its main goal. HPF offers a wide range of products for the medical field, both developed with our brand, sold to the main field players and on demand for the main international orthopedic companies. The offer is focused on the supply of hot forged prosthesis and instrument sets for orthopedics or instrument boxes.



PRODUCTS

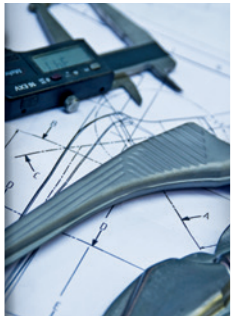
HPF is a leader in the field of hot forging, heat treatments, surface finishing and machining of special metals, such as titanium alloys, cobalt based alloys, stainless steel, hardening by precipitation steel (PH) and aluminium alloys.

The main services offered by HPF are summarized as follows:

- Product engineering
- Hot forging
- Laboratory test
- Mechanical working
- Heat treatments

HOT FORGING

The forging process, developed to optimize starting material consumption, occurs through hot plastic deformation using specific moulds created by HPF. This process provides products with better fatigue resistance features when compared to those made from solid bars or fusion. During hot forging, compliance of the products is ensured by strict process controls.



LABORATORY TEST

HPF certifies compliance with the project requirements of its products thanks to strict tests carried out during acceptance of raw materials, and at the final phase of the production process. All of these activities are performed by qualified personnel in HPF technological laboratory, who can also perform the following tests:

- Tensile test (at room and at high temperature)
- Compression test
- Impact test
- HV Microhardness
- HRa, HRb, HRc, HB Hardness
- Microstructure, grain size and inclusions content
- Macrostructures and grain flow
- Hydrogen content determination
- Dimensional check
- Non-destructive testing (NDT)

MECHANICAL WORKING

HPF is equipped with modern mechanical working centers for machining: CNC cutters from 3 to 5 axis, grinding, CNC multitasking lathes, wire EDM and die sinking EDM, deep drill machines, contouring machines, and sheet metal working machines. The company group of CNC centers allows the vertical integration of production processes, therefore permitting HPF to offer its customers hot forged products finished by mechanical machining.

ACETABULAR REAMERS

Acetabular reamers are surgical devices designed to finish bone seats at various diameters, used with a drill and its handle. The full body cross-beam ensures high mechanical strength and optimal ergonomics. They are made of 400 or 600 stainless steel series.

MIS

MIS is a surgical device designed for locking reamers, with HC or FULL CROSS joint. The peculiarity of this device is the core double curvature that enables to follow the mini-invasive surgery technique. MIS is made of 400 or 600 stainless steel series and teflon for handle coating. Zimmer-Hall, Ao or Hudson connections are available.

CUP IMPACTOR

Cup Impactor is a surgical device designed for prosthesis manual implantation in the bone seat, which was previously performed with the acetabulum. It is made of 300, 400 or 600 stainless steel series.