

# THE WOODPECKER®



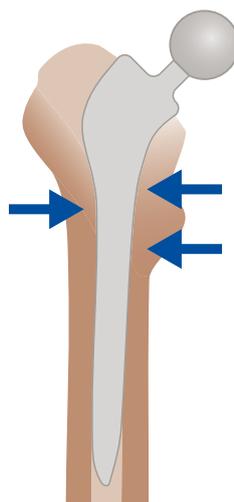
The extremely low-level pulses of the WOODPECKER  
reduce the intra-osseous pressure



INTEGRAL MEDIZINTECHNIK

## MAXIMUM PRECISION AND AN IMPROVED SURGICAL TECHNIQUE

The WOODPECKER® is used successfully as a rasp device for prosthetic operations. The high-frequency axial impulses of the instrument substantially reduce operating time. At the same time, avoiding a non-physiological build-up of pressure in the bone. The low weight of the instrument and the low force needed to manipulate it virtually rule out user fatigue. The surgeon is therefore able to concentrate entirely on the operation, consequently improving precision.



Accurately fitting modelling of the medullary space can be achieved thanks to the axial movements backwards and forwards. Gaps between the bone and prosthetic device shaft are avoided.

### What's great about pneumatic broaching with the Woodpecker

#### OSCILLATION WITH A FREQUENCY OF 70 HZ

Accurate shaping of the femoral canal provides improved fit. Gaps between the bone and the prosthesis are avoided. Non-physiological dilation of the femur, damage to the cortical bone and fissures are minimized substantially. The high-frequency axial impulses of the Woodpecker reduce operation time.

Like thousands of other Surgeons have already discovered, you too will agree that the Woodpecker gives you precise control, yielding consistent results; every time.

#### AXIAL FORCE OF NO MORE THAN 1 NEWTON

The extremely low-level impulses of the Woodpecker minimizes hoop stresses and decreases the bone marrow emboli risk.

It also minimize the risk of femoral fractures caused by excessive radial forces.

#### QUICKRELEASE

Broaches or adapters can be orientated in 90° increments to accommodate surgeon preference or approach. The femur antetorsion can be controlled.

#### Technical Information

Operating pressure: 7 to 8 bar  
(100 to 120 PSI)  
Total stroke: 10 mm (0.3937 Inches)  
Oscillation frequency: 70 Hz  
(70 times per second)  
Length: 25 cm (9.8 Inches)  
Height: 19.6 cm (7.7 Inches)  
Width: 5.9 cm (2.3 Inches)  
Weight: 2.3 Kilograms (5 Pounds)

The Woodpecker is a pneumatically powered device and must be operated at a pressure of 7 to 8 bar (100 to 120 PSI). Use nitrogen or clean compressed air to power the Woodpecker. The air must be free of particles.



IMT Integral Medizintechnik AG  
Haldenstrasse 5  
CH-6006 Luzern, Switzerland  
Phone: +41 41 210 54 34  
Fax: +41 41 210 54 38  
E-Mail: a.geisser@imt-medical.com  
www.imt-medical.com