

RotoFlapMaster



RotoFlapMaster - fully mobile Rotary Flap Peening of the latest generation
Innovative and field-proven drive system for complete process control, distinct user-friendliness and cordless operation

Today's applications of Roto Flap Peening go beyond the well-known repair processes on aircrafts. Aerospace components, as well as large energy sector parts can be peened easily without free-flying spherical media. The prerequisite for a reliable process, above all, is accurate control of the flap speed. Having a well engineered, intuitive tool simplifies the process and ensures it will be done correctly and safely.

The innovative RotoFlapMaster by sentenso utilises a drive system that has been developed in close cooperation with experienced operators from the aviation industry. The user interface assists selecting the correct flap speed per the operator's input of desired intensity and flap size. Starting and stopping, as well as timing, are controlled via a single membrane button on the handpiece. One of the RotoFlapMaster's greatest benefits is its cordless battery operation allowing mobile and flexible practical use.



Videos and more



Design and Equipment

RotoFlapMaster-with the following components:

- Portable control unit in robust aluminium housing
 - Well-sized membrane keypad
 - 5.0" multicolour LCD display
 - Push-pull connector
 - Battery slot
- Straight handpiece in anodised aluminium housing
 - START/STOP membrane button
 - LED backlit display element
 - Push-Pull connector
 - 1/4" and 10 mm collets
- Flexible connection cable
- Two lithium-ion battery packs and quick charger
- Electrical connection 220-240 V or 100-120 V
- Shoulder strap for carrying the control unit on the body
- Calibration certificate and documentation
- Robust wheeled transport case



Operating functions of the control unit:

- Speed settings depending on flap size, Almen strip type and desired Intensity
- Change of rotation direction
- Permanent speed control
- Stopwatch and countdown timer
- Presettings for speed, Intensity and processing time
- Selection of language and units of measurement

Operating functions of the handpieces:

- Starting and stopping the drive
- Starting the stopwatch or countdown timer
- Colour changing indicator for checking the correct speed
- Quick change between straight and angled handpiece



The newly developed RotoFlapMaster allows for the first time a completely mobile and cordless application. Of course, the drive system complies with the aerospace standards SAE AMS2590, Nadcap PRI AC7117 and the specifications of leading aircraft manufacturers.

