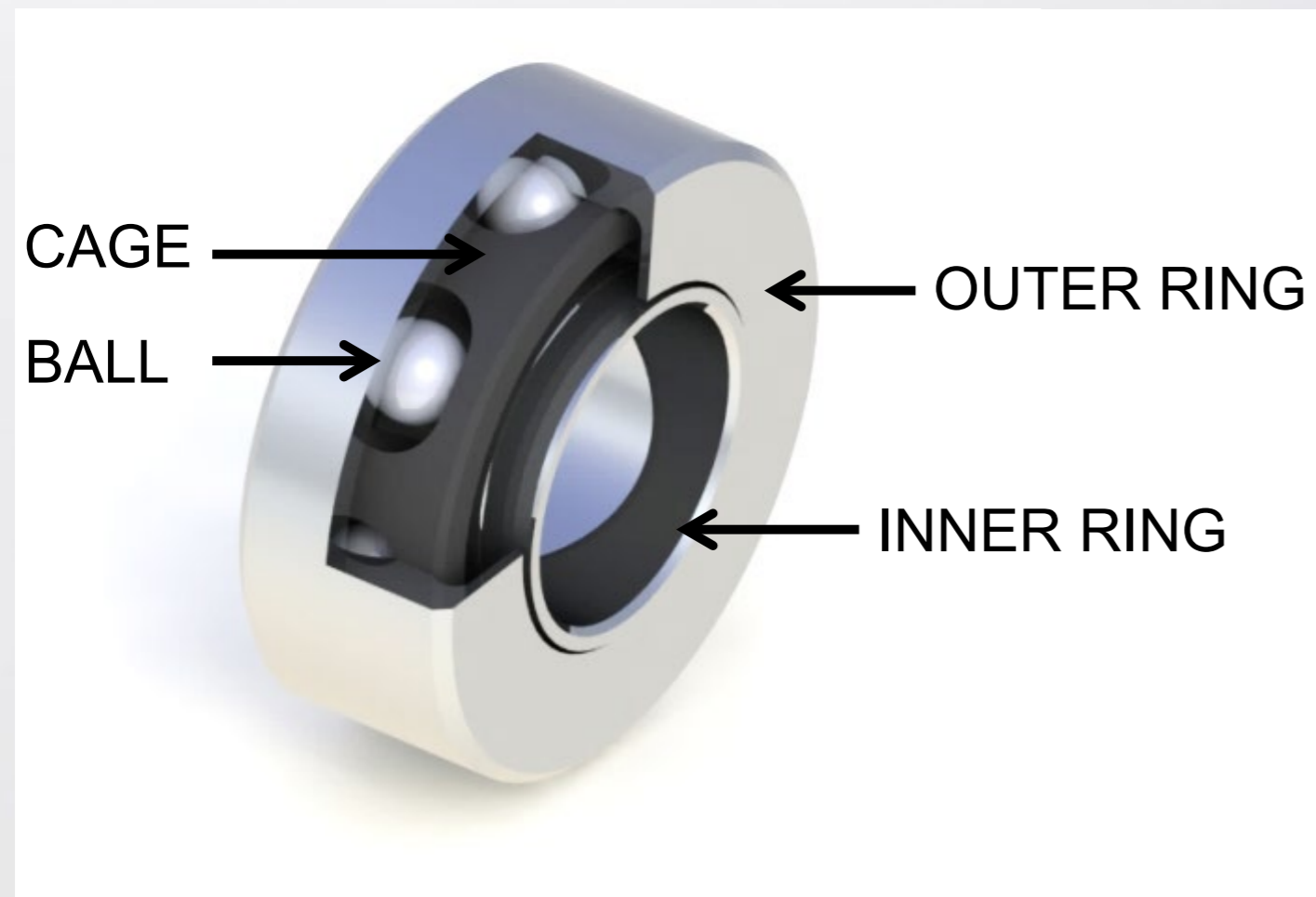




Ultra Precision
Made in Germany



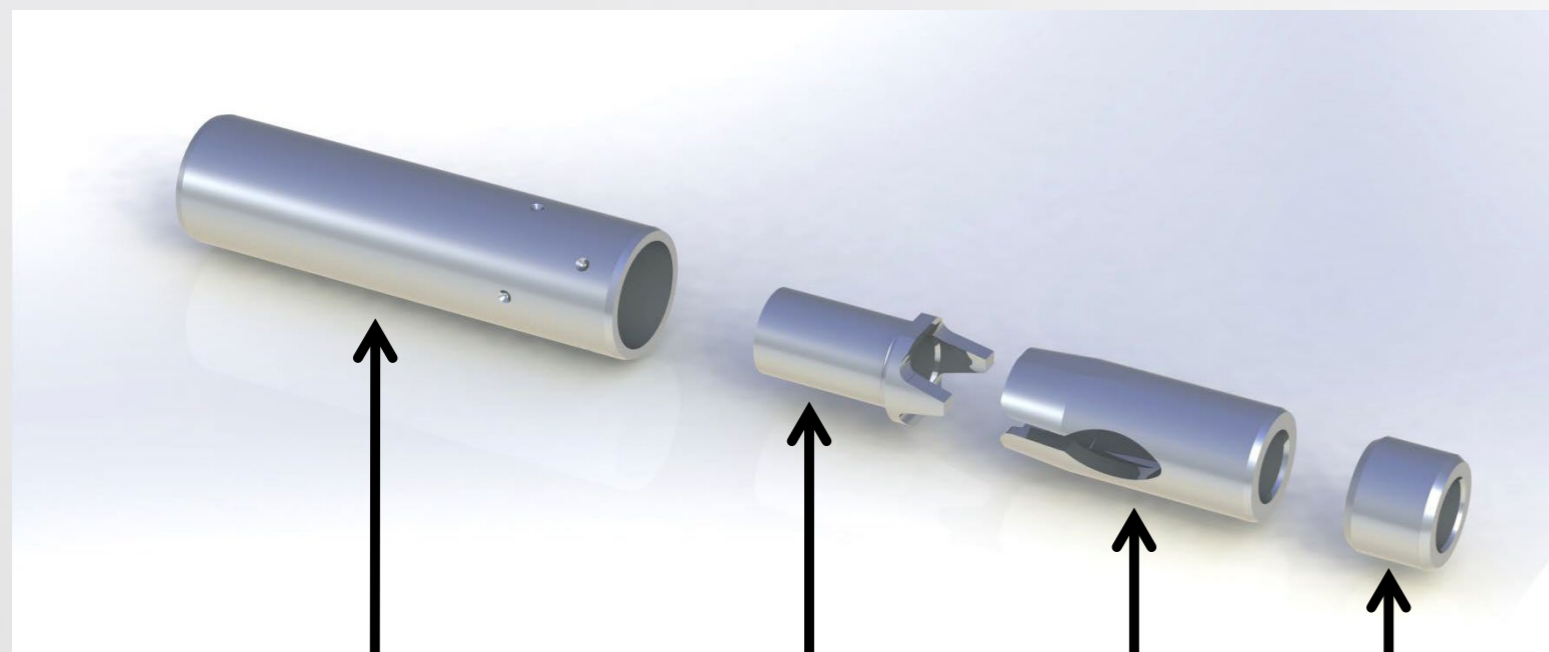
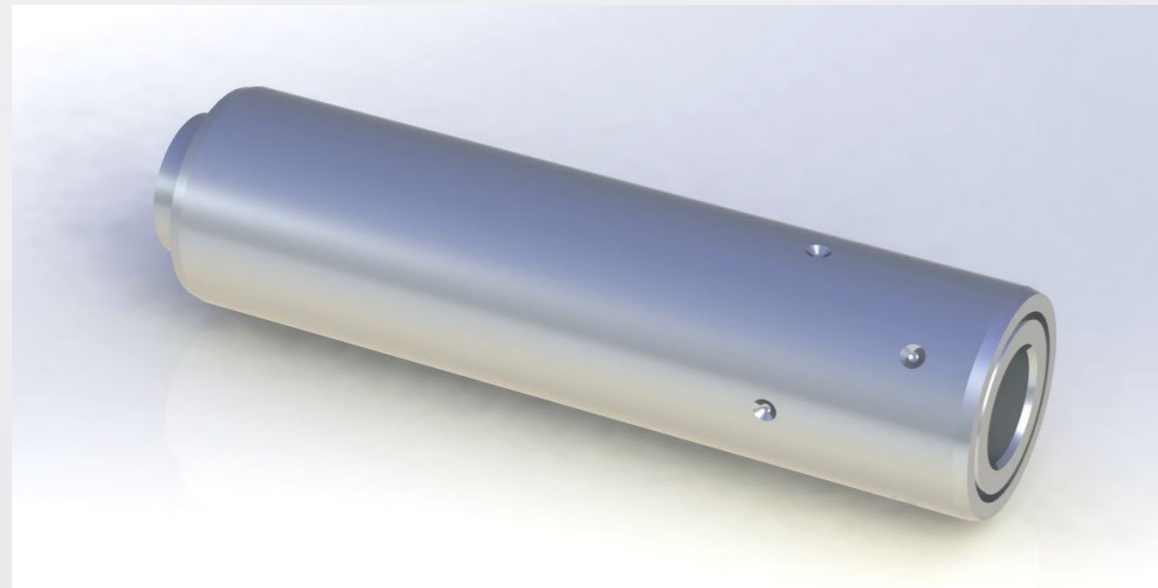
Dental ball bearing



What is special?

- **Cage**
 - Guidance of the balls of the bearing
 - Key and heart of bearing and crucial component for the longevity of the bearing
 - Various high end materials defined in R&D projects
- **Rings**
 - High precision raceways
- **Balls**
 - Ceramic (upper price level) or Steel (medium price level)
- **Special lube choices**
 - stick on the surface of the rings and on the cage and stay in the bearing as long as possible
- **Design**
 - Different designs specific for individual handpieces
 - Research and Development in cooperation with OEMs

Spindle unit



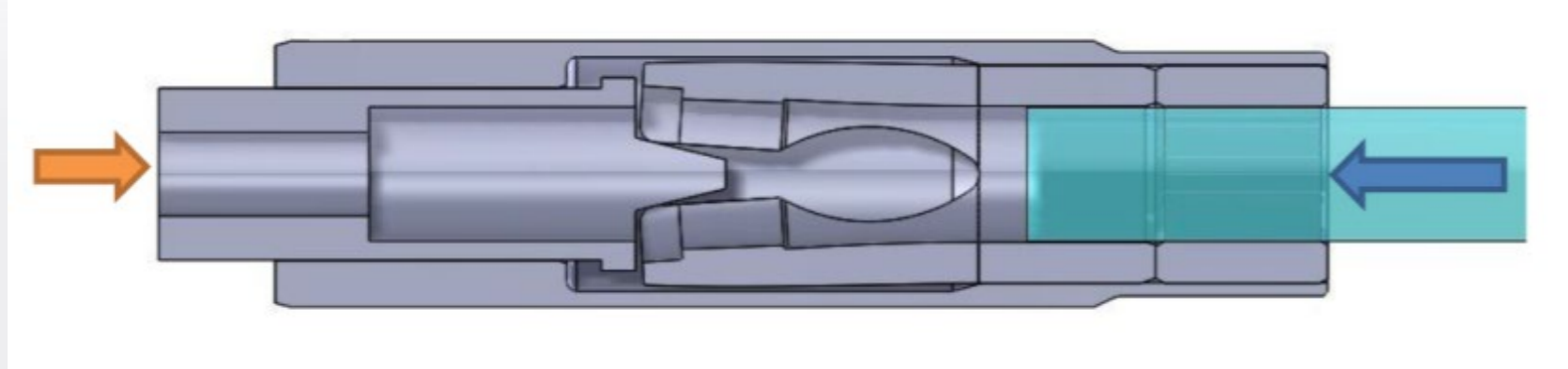
HOUSING ACTUATOR CHUCK* BUSHING

* INTERNAL CHUCK DESIGN MODIFIED TO PROTECT CONFIDENTIAL GEOMETRIES

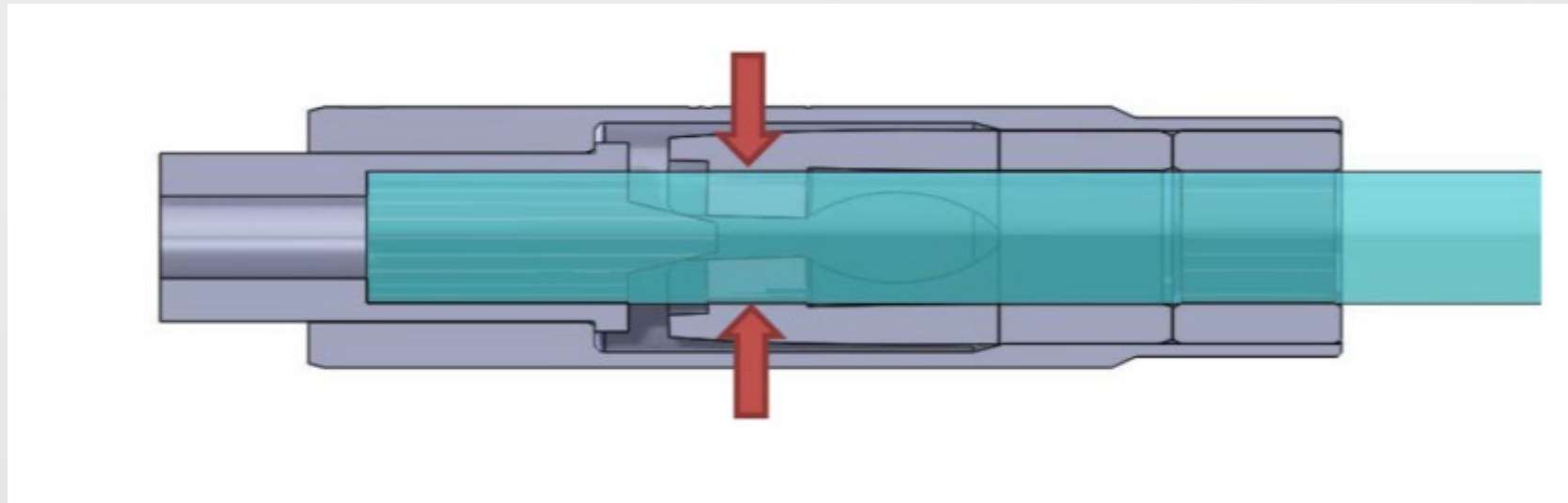
What is special?

- **Precision and Durability**
 - High Clamping Force
 - Low Actuation Force
 - Runout
- **Field Know How**
 - myonic design from many years of market experience
 - OEM Projects
 - Aftersales Projects
- **Continuous Improvement**
 - R&D projects to find and explore new ways to increase system efficiency
 - Specific chuck design for higher retention and lower release force

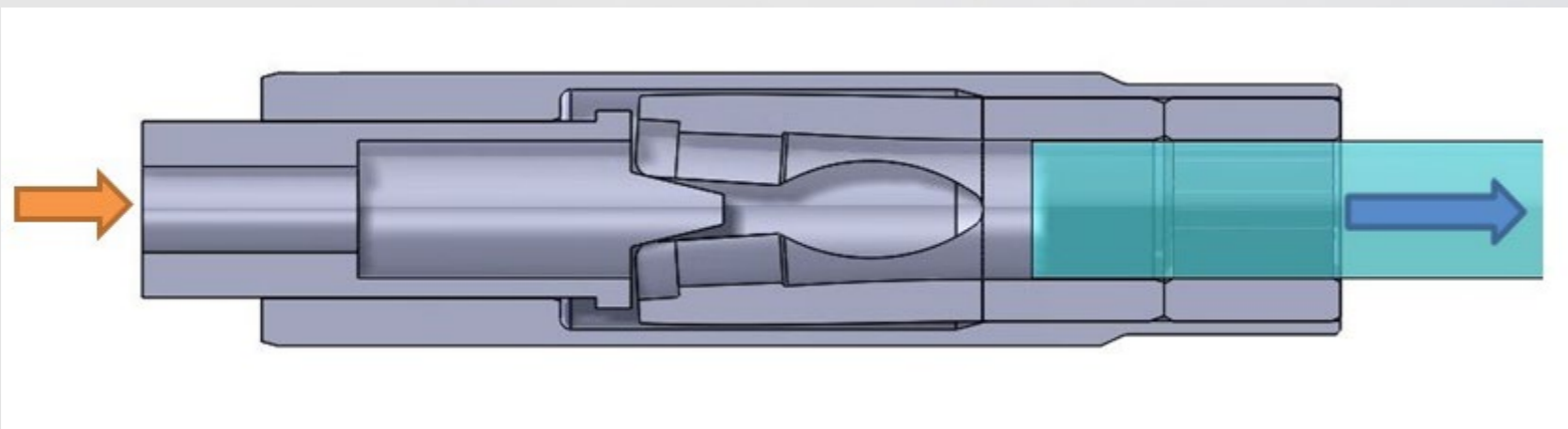
OPEN THE CHUCK BY PUSHING ON THE BUTTON WITH YOUR THUMB AND INSERT THE TOOL



RELEASE YOUR THUMB
CHUCK CLAMPS THE TOOL

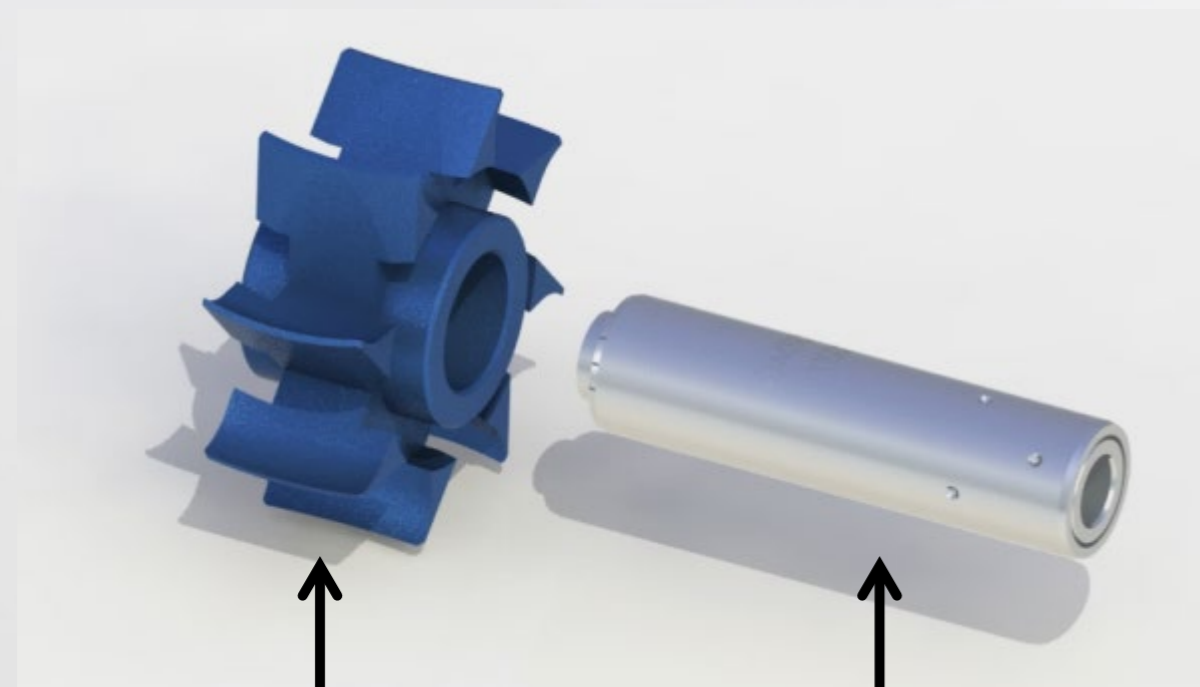
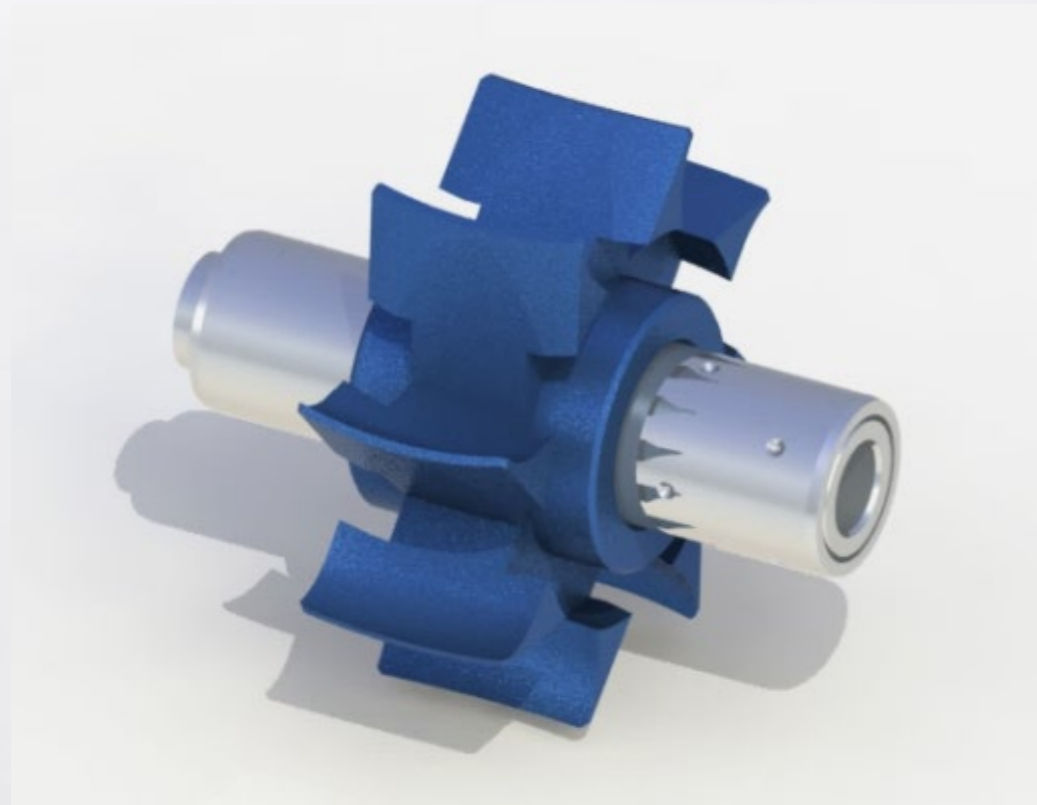


OPEN THE CHUCK BY PUSHING ON THE BUTTON WITH YOUR THUMB
RELEASE THE TOOL



How does it work?

Spindle Impeller Combo

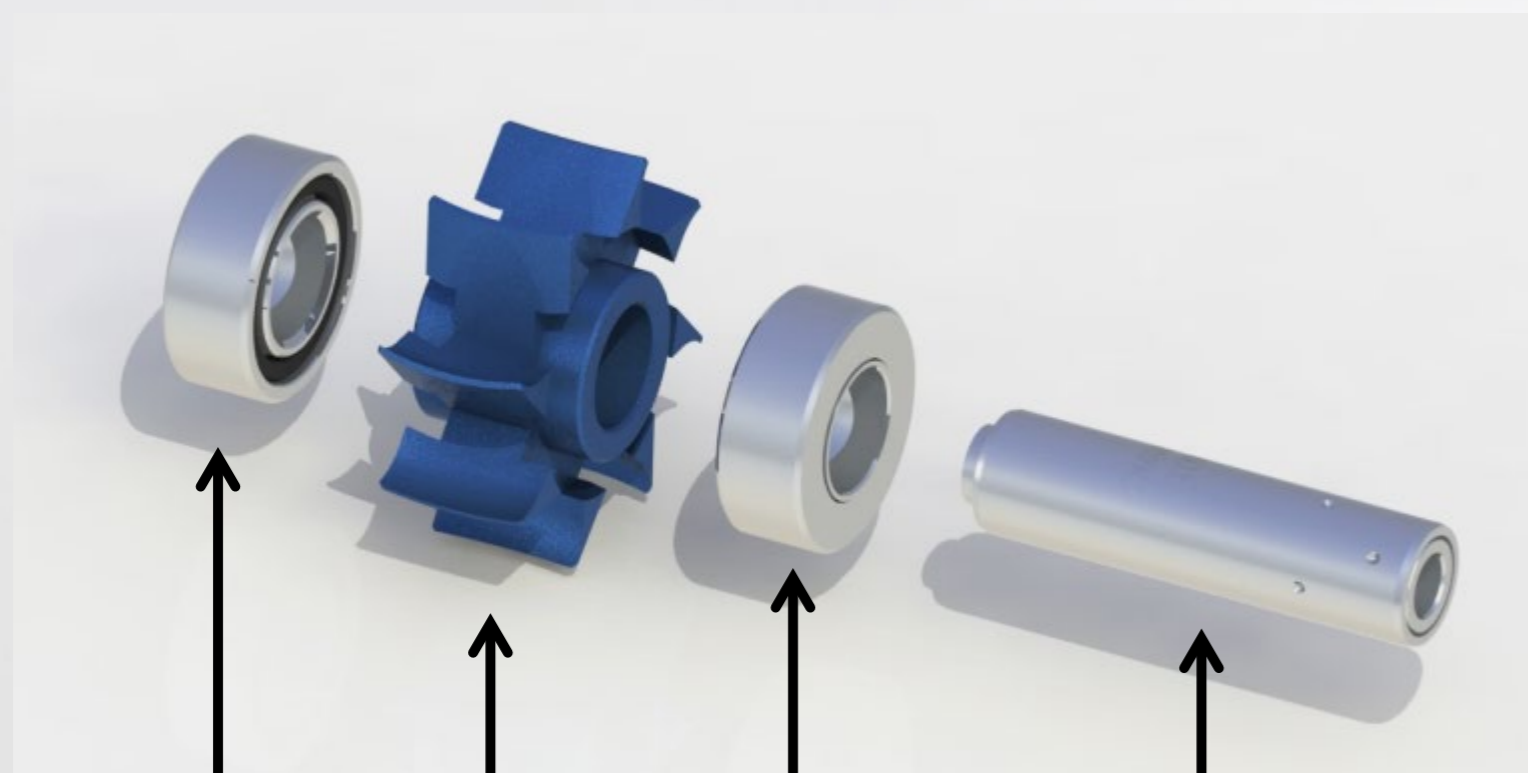
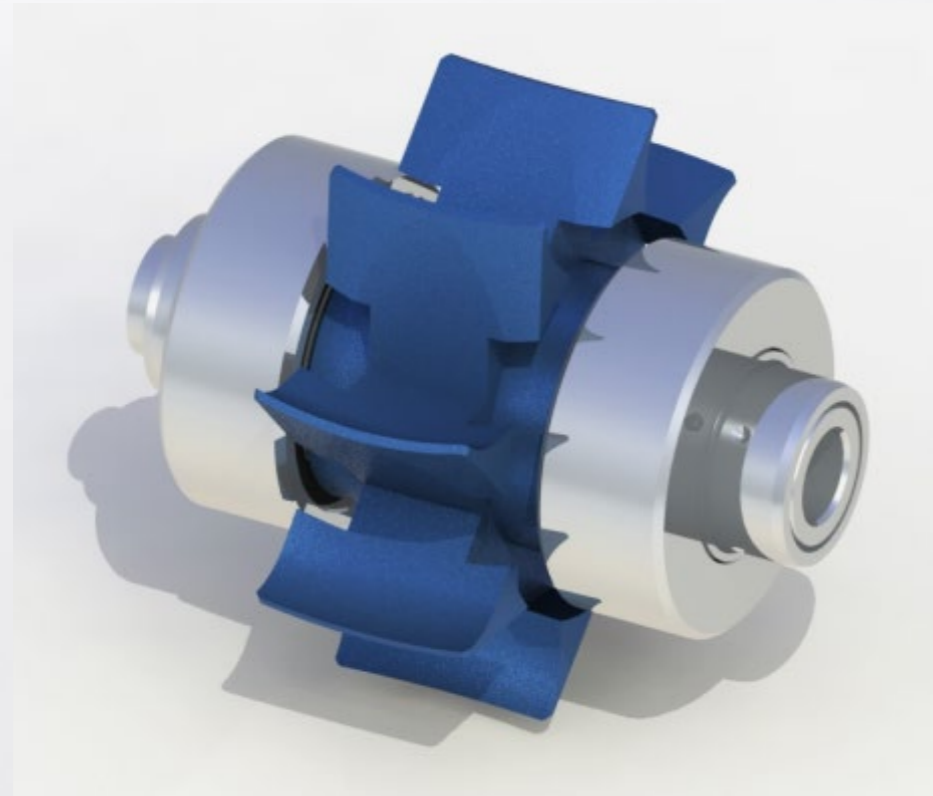


↑ ROTOR / IMPELLER ↑ SPINDLE UNIT

What is special?

- **Balancing**
 - Special balancing device designed by myonic
 - Sound level equal or better to OEMs
 - Half-automated system for high repeatability
- **Assembly**
 - Tight tolerances of housing OD and impeller ID
 - Know how in matching rotor and spindle unit
 - Quality checks of the press fit and the position of the rotor

Full Turbine Units



BEARING ROTOR BEARING SPINDLE UNIT

What is special?

- **Low sound level**
 - (balancing of spindle impeller combo + high precision myonic bearings)
- **Matching know how**
 - tight tolerance between spindle unit, rotor and bearings to achieve precise matching of all components
 - Instead of having 3 different suppliers (bearings, spindle unit and rotor supplier) now only 1 supplier necessary
- **Final quality control**
 - 100% of all units installed and tested in specific handpiece
 - 100% Sound level check
 - 100% Speed level check
 - 100% Visual Inspection



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