

ULTRASONIC CLEANING IN THE CLEAN ROOM

NOT ONLY FREE OF GREASE, BUT ALSO PARTICLE-FREE

For years, Wapro in been active in the fields of medical technology, the food industry, sensor technology and vacuum technology. The company manufactures components that require a very high degree of cleanliness and purity.

The certified processes describe the cleaning, drying and particle-free packaging of the manufactured components.

Wapro also offers this cleaning and packaging competence as a service on the market. External customers can have their own products cleaned, packaged and shrink-wrapped in a Class 7 clean room so that they are protected from contamination for further transport.

CHARACTERISTICS CLEAN ROOM

Acc. to ISO standard 14644-1	Class 7
Room size	15 m ²
Air exchange rate	via flowbox, 31 times/h
Overpressure to the lock	2.0 Pa

CLEANING SYSTEM

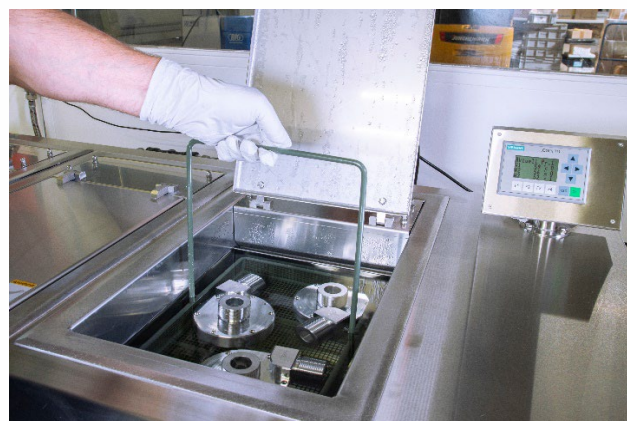
Manufacturer	KKS Ultraschall AG	
Number of process steps	3	
	<ul style="list-style-type: none"> • Ultrasonic cleaning • Ultrasonic rinsing in clean water • Final rinse in fully demineralised water • Drying cabinet 80 °C 	
Ultrasonic frequencies	Dual frequency 27/80 Hz	
Cleaning medium	alkaline/aqueous	

CERTIFICATION

CAS Clean-Air-Service AG has certified the systems and confirmed that the premises and facilities comply with the standards and that the clean room achieves cleanliness class 7 according to ISO 14644-1.



Class 7 clean room



Ultrasonic cleaning system KKS



SUITABLE COMPONENTS

Material	Aluminium and stainless steel
Dimensions bath LxWxH	400 x 300 x 380 mm
Ideal batch size	approx. 100 components
Delivery periods	5 - 7 working days

CUSTOMER BENEFIT

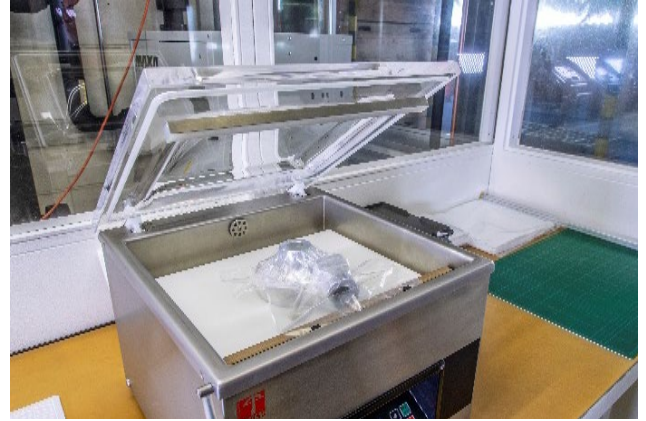
The core competences of Wapro are optimally supplemented by the possibilities of a clean zone. As a competent manufacturer of demanding assemblies and components, Wandfluh Produktions AG holds the EN/ISO certificates according to 9001:2015 (quality system) and 13485:2016 (medical products).

PRACTICAL EXAMPLES



Aluminium parts with high purity requirements

SERVICES AND SUPPORT



Vacuuming and welding in components



Cleaned components in the drying cabinet

