



# Cleancon<sup>®</sup>

## More safety due to ultra-fine cleaning

### The market's demands

- + Bearings and non-friction surfaces jam
- + Process reliability
- + Blocked valves
- + Reduction in size
- + Clogged nozzles and filters
- + Avoid system failures
- + Short circuit in conducting tracks
- + Increasing productivity

### ARNOLD provides the solution

**Cleancon<sup>®</sup>**  
More safety due to  
ultra-fine cleaning



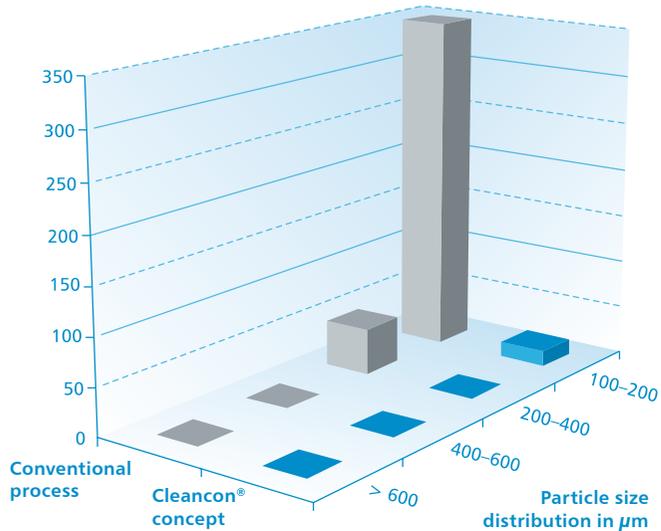
### Watch how Cleancon<sup>®</sup> works

ARNOLD UMFORMTECHNIK provides an extensive selection of videos and animations. Just scan the QR code above or visit our website and click on our Youtube channel ARNOLD TV.

[www.arnold-fastening.com](http://www.arnold-fastening.com)

# Cleancon®

## Number of metallic particles



In conventional manufacturing the number of metallic contaminating particles 100–200 µm and 200–400 µm in size is much higher (shown in grey) than with Cleancon's® ultra-fine cleaning processes (shown in blue).

# Cleancon®

## Step by step to perfect cleanliness

### ↓ UPSTREAM PROCESS



#### 1. Requirements profile

- + Limiting values defined
- + Ambient factors considered
- + Surface specified
- + Test specifications
- + Packaging requirements



#### 2. Production

- + Cleaning processes during manufacture



#### 3. Demagnetization

- + Higher degree of cleanliness
- + Preventing metallic particles from sticking
- + Improving the feed process

### ↓ MAIN PROCESS



#### 4. Clean room

- + Ultra-fine cleaning
- + Low-friction coating (optional)
- + Packing



#### 5. Cleanliness analysis to VDA 19.1 standard

- + Adapted extraction procedure
- + Analyse of
  - Particle size
  - Gravimetry



#### 6. 'Clean' packaging

- + Position-holding, anti-static inner packaging
- + Customisable outer packaging

### Technical advantages of Cleancon®

- + High level of cleanliness with the ultra-fine cleaning process
- + Fitted components very reliable in operation
- + Defined cleanliness with analysis technology
- + Fewer system failures
- + Prevents relative movement during shipment
- + High assembly reliability

### Commercial advantages of Cleancon®

- + Avoids system failures
- + Reduces quality costs
- + Opportunity to reduce size



#### Learn more

about Cleancon®, technical cleanliness, and its applications

[www.arnold-fastening.com](http://www.arnold-fastening.com)