

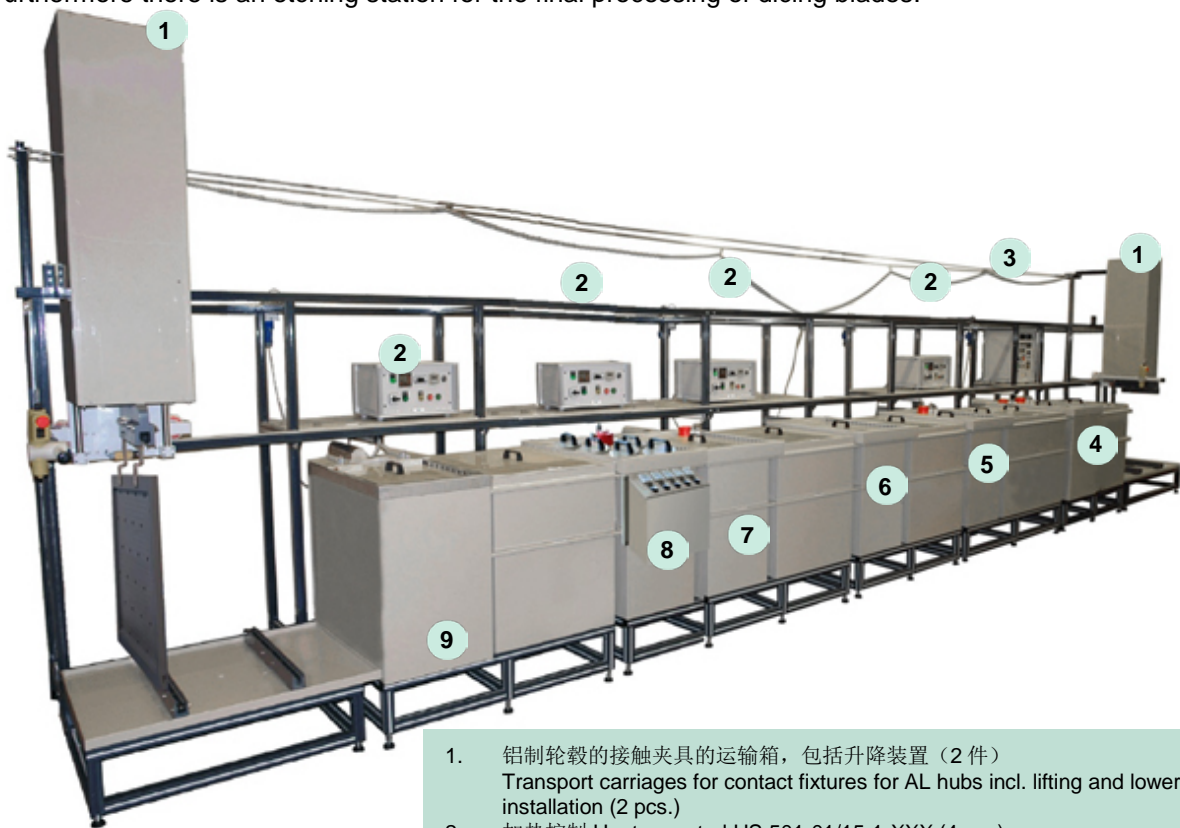
## 预处理设备 5-DPW/AL-XXX

### Pre-Treatment Plant VBA 5-DPW/AL-XXX

该预处理设备用于清理和准备随后将被电镀的铝质基体。没有适当预处理的工件将不能被磨料层正确地电镀。预处理包括 4 个温水处理槽 (AL-酸洗, 锌酸盐酸洗, 镍沉积), 1 个冷水处理槽 (净化) 以及中间漂洗槽。这些被安装在相应的电镀设备上的部件将通过一个带有升降装置的运输机被转移到不同的处理槽中。

另外, 还有用于刀片切割的最终处理的蚀刻站。

The pre-treatment plant serves for cleaning and preparing grinding tool blanks made of aluminium prior to the subsequent electro-plating process. Without the appropriate pre-treatment, the parts can't be correctly electro-plated with the abrasive layer. Pre-treatment comprises 4 warm-process baths (degreasing, AL-pickling, zincate-pickling, nickel deposition), 1 cold-process bath (clarifying) and the intermediate rinsing baths. The parts are transported – after having been mounted onto the appropriate electro-plating fixtures – from one bath to the next by means of two transport carts with lifting and lowering installations. Furthermore there is an etching station for the final processing of dicing blades.



1. 铝制轮毂的接触夹具的运输箱, 包括升降装置 (2 件)  
Transport carriages for contact fixtures for AL hubs incl. lifting and lowering installation (2 pcs.)
2. 加热控制 Heater control HS 501-01/15-1-XXX (4 pcs)  
-温度 Temperature  
-处理时间 Process time  
-加热循环 Heater cycles
3. 电镀控制 DBS 10A-10/XXX Electro-plating control DBS 10A-10/XXX  
-温度 Temperature  
-电压 Voltage  
-处理时间 Process time  
-电流 Current
4. 预处理设备 VBE 2/40-70-70/005 Pre-treatment unit VBE 2/40-70-70/005  
(镍沉积 Nickel deposition)
5. 预处理设备 VBE 2/40-70-70/004 Pre-treatment unit VBE 2/40-70-70/004  
(锌酸盐酸洗 Zincate pickling)
6. 预处理设备 VBE 2/40-70-70/003 Pre-treatment unit VBE 2/40-70-70/003  
(净化槽 Clarifying bath)
7. 蚀刻站 Etching station
8. 预处理设备 VBE 2/40-70-70/002 Pre-treatment unit VBE 2/40-70-70/002  
(铝酸洗 AL-pickling)
9. 预处理设备 VBE 2/40-70-70/001 Pre-treatment unit VBE 2/40-70-70/001  
(去脂 Degreasing)

## 技术参数 Technical data:

- 槽容量: 处理槽: 每个大约 175 升; 去脂槽 168 升; 静态洗涤槽: 每个大约 108 升。  
Tank volume: Process tanks: appr. 175 l each; degreasing 168 l; standing sinks: appr. 108 l each
- 槽温: 最高 60 摄氏度 (温水处理槽); 室温 (冷水处理槽)  
Bath temperature: max. 60°C (warm-process baths); room temperature (cold-process bath)  
规格 (长x宽x高): 大约9620 x 1320 x 3220 mm  
Dimensions (L x W x H): appr. 9620 x 1320 x 3220 mm
- 电流接入值 Power ratings: appr. 12.5 KVA, 230 V, 19 A
- 1 个去脂槽, 隔热, 不锈钢材质 1 degreasing bath, heat insulated, of stainless steel
- 3 个温水处理槽, 1 个冷水处理槽, 5 个静态漂洗槽, 1 个蚀刻站  
3 warm-process baths, 1 cold-process bath, 5 standing sinks, 1 etching station of PP
- PP 材质管道 Pipes of PP
- 4 个用于循环温水处理槽的离心泵  
4 centrifugal pumps for circulation of warm-process baths
- 接触夹具的运输系统, 包含导轨与 2 节运输车  
Transport system for contact fixtures consisting of guide rail and 2 pcs. transport carts
- 处理槽的周边抽吸装置 (连接到通风设备, 公称直径 75 mm)  
Rim exhaustion for process baths (connection to fan, DN 75 mm)