

预处理设备 Pre-Treatment Plant VBA 6-353/453/D23

该预处理设备用于清理和准备金刚石电镀工序前的磨削工具基体。该预处理包括 2 个温水处理槽：含油分离器的初步去脂与电解去脂。以及 3 个冷水处理槽：酸洗，活化，冲击镍以及中间漂洗槽。这些设备已经被安装到相应的接触与支撑夹具上，并且根据操作顺序依次被移动到相应的处理槽。保持活性缓冲槽用于暂时存储已处理的工件。操作过程与处理槽的程序参数通过触屏终端设置。处理槽配置了触控板，可对每一步工序进行操作。

The pre-treatment plant serves to clean and prepare the steel blanks of grinding tools for the subsequent diamond or CBN electro-plating process.

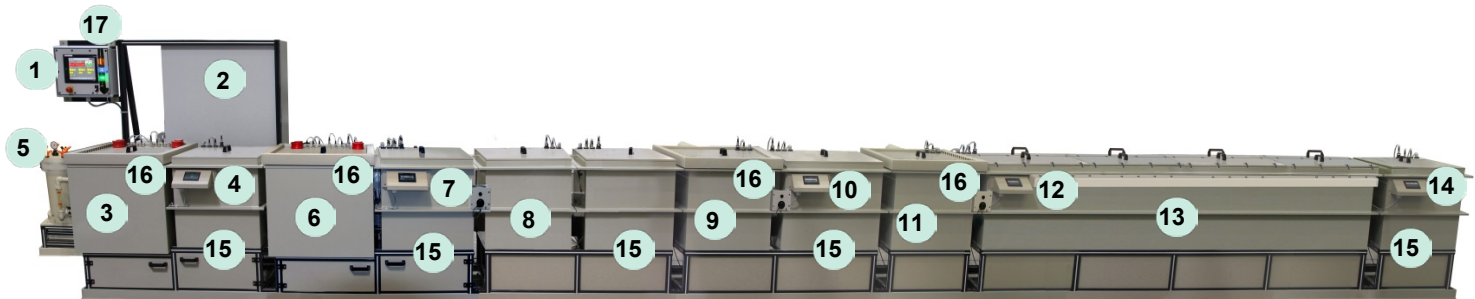
Pre-treatment comprises two warm-process baths: preliminary degreasing with oil separator and electrolytic degreasing. Furthermore it comprises 3 cold-process baths: decapation, activation and Nickelstrike as well as the intermediary rinsing baths.

The parts – already fitted into the corresponding contact and holding fixtures – are transported from one bath to the next in the sequence of the single process steps.

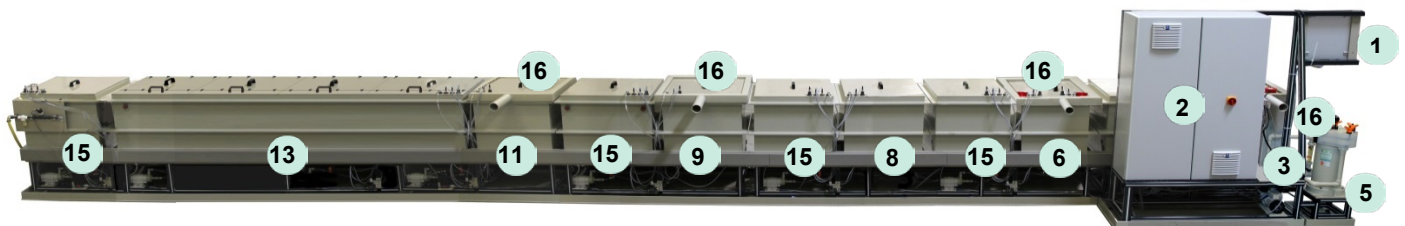
For temporary storage of the processed parts an active-keeping buffer is provided.

Programming and pre-set of the process and bath parameters is done by means of the Touch screen operator terminal. To control the individual process steps each process bath is fitted with a corresponding control panel.

前视图 Front view



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| <p>1. Process bath control PBS-845/001
处理槽调控 PBS-845/001
Including Touch screen operator terminal for process and programming
包括用于操控与编程的触屏终端</p> <ul style="list-style-type: none"> - Temperature 温度 - Current 电流 - Voltage 电压 - Process time 处理时间 - Heater cycles 加热循环 <p>2. Electronics cabinet 电子柜
(service access on rear side) 背面打开</p> <p>3. Warm-process bath (degreasing)温水处理槽 (去脂)</p> <p>4. Process tableau for degreasing 控制去脂的触控板</p> <p>5. Oil separator for degreasing 去脂油分离器</p> | <p>6. Warm-process bath (electrolytic degreasing – anodic/cathodic; polarity reversible)
温水处理槽 (电解去脂-阳极/阴极;极性可逆)</p> <p>7. Process tableau for electrolytic degreasing 控制电解去脂的触控板</p> <p>8. Cold-process bath(Decapation) 冷水处理槽 (酸洗)</p> <p>9. Cold-process bath(Activation) 冷水处理槽 (活化)</p> <p>10. Process tableau for activation 控制活化的触控板</p> <p>11. Cold-process bath(Nickelstrike) 冷水处理槽 (冲击镍)</p> <p>12. Process tableau for Nickelstrike 控制冲击镍的触控板</p> <p>13. Active-keeping buffer 保持活性缓冲槽</p> <p>14. Process tableau for active-keeping buffer 控制保持活性缓冲槽的触控板</p> <p>15. Standing sink (5 pcs) 静态漂洗槽 (5台)</p> <p>16. Rim exhaustion (4 pcs) 抽吸装置 (4台)</p> <p>17. Signal light column 信号灯列</p> |
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Technical data:

- 槽容量：处理槽：大约 180l 每个；静态漂洗槽：大约 180l 每个保持活性缓冲槽：大约 750 l；
Bath volume: Process baths: appr. 180 l each; rinsing baths: appr. 180 l each active-keeping buffer appr. 750 l.
- 槽温：最高80°C（去脂槽）；最高60°C（电解去脂槽）；室温（其他所有的槽）
Bath temperature: max. 80°C (preliminary degreasing); 60°C (electrolytic degreasing bath); room temperature (all other baths)
- 规格（长 x 宽 x 高）：大约 9100 x 708 x 1000 mm
Dimensions (L x W x H): appr. 9100 x 708 x 1000 mm
- 电流接入值：大约 20 KVA, 3 x 400 V, 3 x 16 A, 50 Hz
Power ratings: appr. 20 KVA, 3 x 400 V, 3 x 16 A, 50 Hz
- 温水处理槽：PP 材质，隔热
Warm-process baths of PP, heat insulated,
- PP 材质的冷水处理槽与漂洗槽
Cold-process and rinsing baths of PP
- PP 材质的管道
Pipes of PP
- 1 个用于循环去脂槽的离心泵
1 centrifugal pump each to circulate the warm-process baths
- 处理槽的周边抽吸装置（连接到通风设备，直径76 mm）
Rim exhaustion for process baths (connection to fan, DN 76 mm)

可选 Optional:

- 处理槽液面稳定 Level stabilisation of process baths
- 漂洗槽的流动冲洗技术 Flow-standing sink technology in the rinsing baths
- 可扩展为半自动预处理设备 VBA 6-355/455/D45
Expansion possible to a semi-automatic pre-treatment plant VBA 6-355/455/D45





Control panel for process control
(Example: degreasing)
控制操作程序的触控板
举例：去脂

