

预处理设备 Pre-Treatment Plant VBA 5-353/453/D23

该预处理设备用于清洗和准备研磨工具的钢件，为后续金刚石或立方氮化硼电镀操作作准备。预处理包括 2 个温水处理槽（初步去脂与电解去脂），3 个冷水处理槽（酸洗，活化和冲击镍）以及中间漂洗槽与初步去脂的油分离器。这些已经安装在相应的接触和固定夹具上的部件将按照操作步骤的顺序被转移到不同的处理槽中。

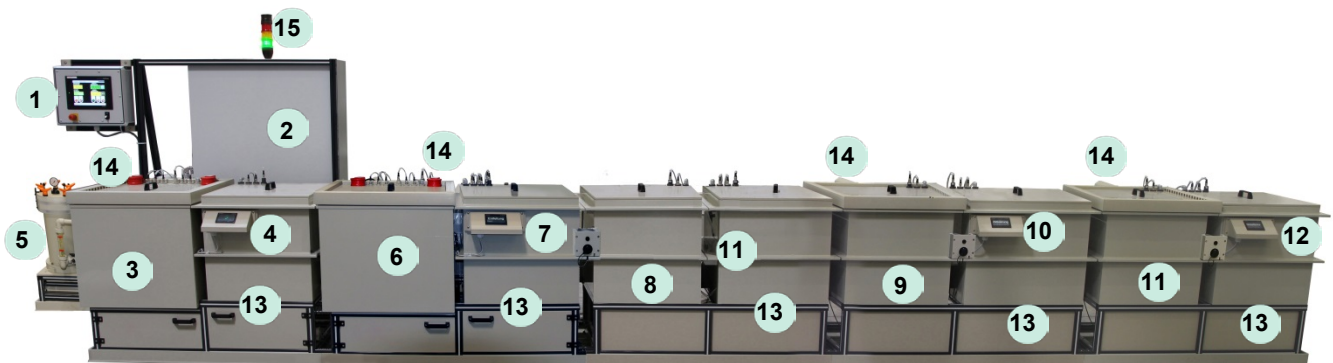
编程，操作和槽参数的预设通过终端触摸屏实行。每个处理槽配有的控制面板可以控制单个操作步骤。

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 and electrolytic degreasing), 3 cold-process baths (decapation, activation and Nickelstrike) as well as the intermediary rinsing baths, as well as an oil separator for the preliminary degreasing. 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.

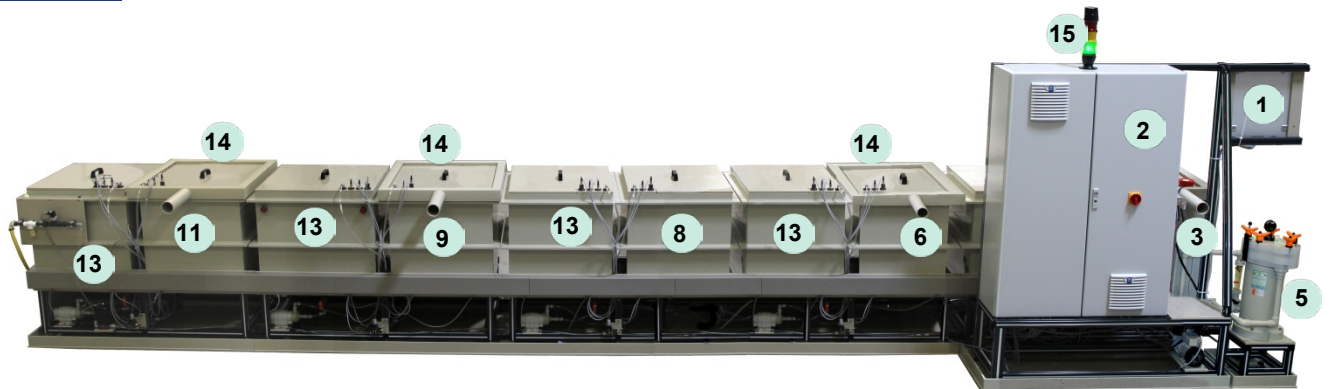
Programming and pre-set of the process and bath parameters is done by means of the Touch screen operator terminal. To control the individual process steps each process bath is fitted with a corresponding control panel.

前视图 Front view



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|---|---|
| 1. 处理槽调控 PBS-845/001
Process-bath control PBS-845/001
包括用于操控与编程的触屏终端
including Touch screen operator terminal for process control and programming:
- 温度 Temperature
- 电流 Current
- 电压 Voltage
- 处理时间 Process time
- 加热循环 Heating cycles | 5. 油分离器 Oil separator |
| 2. 电子柜 Electronics cabinet
(从背面打开) (Service access on rear side) | 6. 温水处理槽（电解去脂-阳极/阴极；极性可逆）
Warm-process bath (electrolytic degreasing – anodic/cathodic; polarity reversible) |
| 3. 温水处理槽（初步去脂）
Warm-process bath (preliminary degreasing) | 7. 控制电解去脂的触控板
Process control panel for electrolytic degreasing |
| 4. 控制初步去脂的触控板
Process control panel for preliminary degreasing | 8. 冷水处理槽（酸洗）Cold-process bath (Decapation) |
| | 9. 冷水处理槽（活化）Cold-process bath (Activation) |
| | 10. 控制活化的触控板 Process control panel for activation |
| | 11. 冷水处理槽（冲击镍）Cold-process bath (Nickelstrike) |
| | 12. 控制冲击镍的触控板 Process control panel for Nickelstrike |
| | 13. 静态漂洗槽（5台）Standing sink (5 pcs) |
| | 14. 周边抽吸装置（4台）Rim exhaustion (4 pcs) |
| | 15. 信号灯列 Signal lamp |

Rear view

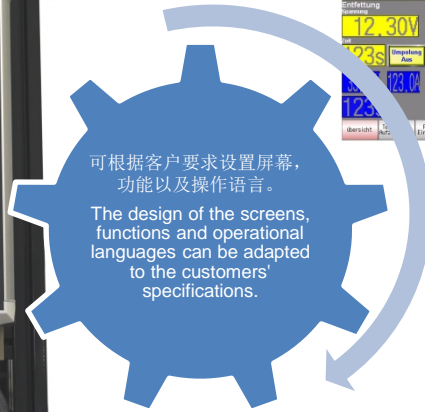


Technical data:

- 槽容量：处理槽：每个大约 180 升；静态洗涤槽：每个大约 180 升。
Bath volume: Process baths: appr. 180 l each; rinsing baths: appr. 180 l each
- 槽温：最高 80 摄氏度（初步去脂槽）；60 摄氏度（电镀去脂槽）；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 7200 x 708 x 1000 mm
Dimensions (L x W x H): appr. 7200 x 708 x 1000 mm
- 额定功率：大约 15 千伏安，3x400 伏，3x 16 安，50 赫兹
Power ratings: appr. 15 KVA, 3 x 400 V, 3 x 16 A, 50 Hz
- 温水处理槽，聚丙烯材质，隔热
Warm-process baths of PP, heat insulated,
- 冷水处理槽和静态漂洗槽，聚丙烯材质
Cold-process and rinsing baths of PP
- 聚丙烯管道
Pipes of PP
- 一个用于循环温水处理槽的离心泵
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，公称直径 76 毫米）
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
- 静态漂洗槽的流动冲洗技术 Flow-standing sink technology in the rinsing baths
- 可以扩展到半自动化预处理设备 VBA 6-355/455/D45
Expansion possible to a semi-automatic pre-treatment plant VBA 6-355/455/D45

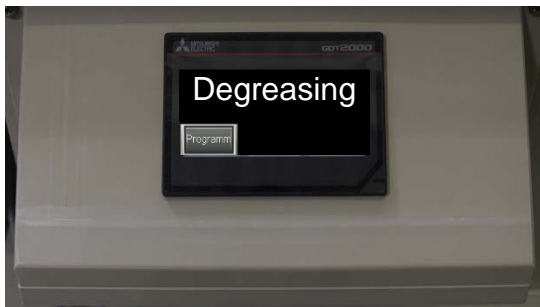


可根据客户要求设置屏幕，
功能以及操作语言。
The design of the screens,
functions and operational
languages can be adapted
to the customers'
specifications.



通过终端操作触摸屏预设和监控操作及槽参数（PBS-845/001 控制）

Pre-set and monitoring of the process and bath parameters by means of the Touch screen operator terminal (PBS-845/001 control)



控制操作的控制面板（例如：去脂）
Control panel for process control
(Example: degreasing)

