

预处理设备Pre-Treatment Plant VBA 4-453/013

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。预处理包括一个温水处理槽（去脂），3个冷水处理槽（酸洗，活化和冲击镍）以及中间过程的洗涤槽。这些已经安装在相应的接触和固定装置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。每个步骤中间部件会在酸洗槽和活化槽当中的清洗站在喷射流中经喷嘴清洗。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。

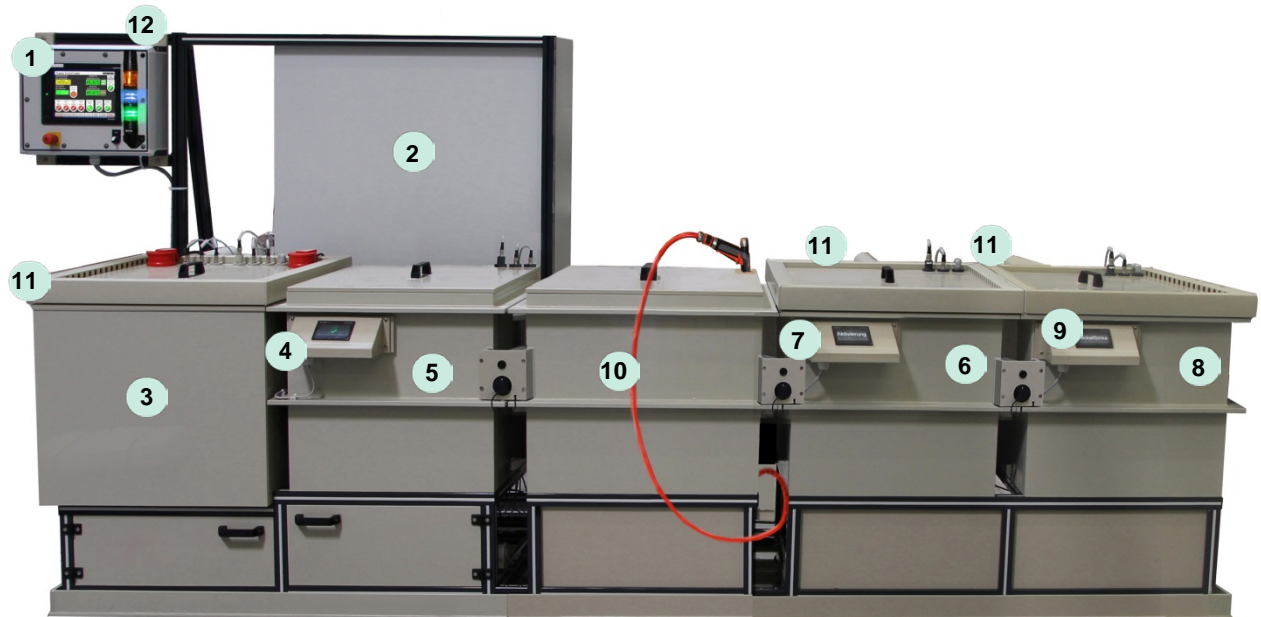
The pre-treatment plant is for cleaning and preparing the steel blanks of grinding tools for the subsequent diamond or CBN electro-plating process.

Pre-treatment comprises a warm-process bath (degreasing), 3 cold-process baths (decapation, activation and Nickelstrike) as well as a spray stream wash station.

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. Between each process step the parts are rinsed with the provided hand spray nozzle in the spray stream wash station located between the decapation and the activation baths.

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.

视图View of system



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| <p>1. 处理槽调控PBS-845/001
包括用于操作控制和编程的终端触摸屏：
Process-bath control PBS-845/001
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</p> <p>2. 电子机柜Electronics cabinet
(在背面打开Service access on rear side)</p> | <p>3. 温水处理槽（去脂-阳极/阴极；极性可逆）
Warm-process bath (degreasing – anodic/cathodic;
polarity reversible)</p> <p>4. 去脂的操作控制面板Process control panel for degreasing</p> <p>5. 冷水处理槽（酸洗）Cold-process bath (Decapation)</p> <p>6. 冷水处理槽（活化）Cold-process bath (Activation)</p> <p>7. 活化的操作控制面板
Process control panel for activation</p> <p>8. 冷水处理槽（冲击镍）
Cold-process bath (Nickelstrike)</p> <p>9. 冲击镍的操作控制面板
Process control panel for Nickelstrike</p> <p>10. 带喷嘴的喷射流清洗站
Spray stream wash station with hand nozzle</p> <p>11. 周边抽吸装置（3台）Rim exhaustion (3 pcs)</p> <p>12. 信号灯Signal lamp</p> |
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Technical data:

- 槽容量：处理槽：每个大约180升；喷射流清洗槽：每个大约180升
Bath volume: Processbaths: appr. 180 l each; Spray stream wash station appr. 180 l
- 槽温：最高80°C（去脂槽）；室温（其他所有的槽）
Bath temperature: max. 80°C (degreasing bath); room temperature (all other baths)
- 规格（长x宽x高）：大约4107 x 790 x 1000 mm
System dimensions (L x W x H): appr. 4107 x 790 x 1000 mm
- 额定功率：大约10千伏安，3x400 伏，3x 16安，50赫兹
Power ratings. 10 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 bath, of PP, heat insulated,
- 冷水处理槽和喷射流清洗槽，聚丙烯材质 Cold-process baths and spray stream wash station 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 to circulate the degreasing bath
- 处理槽的周边抽吸装置（连接到通风设备，公称直径160 mm）
Rim exhaustion for process baths (connection to fan, DN 160 mm)

可选Optional:

- 处理槽液面稳定 Level stabilisation of process baths
- 水除盐盒用于自动去离子水供应 Water de-salting cartridges for autonomous deionized water supply



通过终端操作触摸屏设置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)

