Eltropuls Plasma Heat Treatment Unit Description

Manufacturer: Eltropuls
Type: Electric Plasma Ion Nitriding Furnace
Model: P300/600Z
Serial: 1212417
Max Temp: 1022°F (550°C)
Nitriding Retort Dim’s: 56” diameter x 80” high
Rated: 480/276 V, 3-Phase, 60 Cycle
Power / Current: 200 KVA / 250 A
Max Charge Weight: 11,000 pounds (5,000 kilograms)

Equipment List:
Bell Furnace:
Nichrome elements, fiberfrax insulation
Five (5) heated zones
Jack screw for furnace list and swing
Nitriding Retort:
56” diameter x 80” high (1400 mm dia x 2000 mm high)
11,000 pound hearth rating (5000 kg)
Pumping System:
3,500 cuft/hr rotary van mechanical pump (100 m3/hour)
17,500 cuft/hr roots booster pump (500 m3/hour)
Downstream pressure control valve
Power Supplies, Plasma Resistance
80 Kw, 460 V, 3 Ph, 60 Hz, Eltropuls
200 Kw, 460 V, 3 Ph, 60 Hz, solid state
Five (5) zones of control
Internal Convection:
One (1) 5.5 KW motor, inert atmosphere
Water cooled heat exchanger
External Cooling:
   Two (2) 5.5 Kw motors, ambient air

Temperature Instrumentation:
   Eltropuls process controller

Atmosphere Instrumentation:
   Eltropuls pressure/flow controller

Process Recorder:
   Espon, digital/analog recorder

Operator Interface:
   TVELTRO Program

Misc. Parts & Accessories:
   (3) parts loading racks with 7 shelves
   (2) floor rotary tables for load racks
   (1) hoist coupler for load racks

NOTE: equipment is sold “AS IS, WHERE IS” and buyer shall indemnify seller against and hold seller harmless from any and all claims, actions and damages arising out of the possession, operation, condition or use of the equipment.

Seller suggests that you contact the manufacturer for important information pertaining to safety and proper use and operation of the above equipment. For safety reasons, we request that you do not place the equipment into service until you have received current safety instructions from the manufacturer.

Specifications were taken with care, but are not certified. No warranties or guarantees, written or implied.
Eltropuls Washer System

Manufacturer: Eltropuls
Type: Washer System
Model: Eltro TWA 663
Serial: 1212417
Max Temp: 176°F (80°C) – 2 hour heat up time
Working Chamber: 36” wide x 36” long x 32” high
Basket Dimensions: 24” wide x 24” long x 12” high
Rated: 480/276 V, 3-Phase, 60 Cycle
Power / Current: 111 KVA / 140 A
Tank Volume: 1000-1
Operating Cycles: Washing, rinsing, drying

<table>
<thead>
<tr>
<th></th>
<th>washing</th>
<th>rinsing</th>
<th>drying</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of steps</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Pumping System</td>
<td>250 1/min</td>
<td>250 1/min</td>
<td>na</td>
</tr>
<tr>
<td>Pressure Nozzle</td>
<td>7 bar</td>
<td>7 bar</td>
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<tr>
<td>Heater Power</td>
<td>35 kw</td>
<td>35 kw</td>
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</tr>
<tr>
<td>Recirculation fans</td>
<td>na</td>
<td>na</td>
<td>400 m3/hr</td>
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</tbody>
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Misc. Parts & Accessories:
(5) stainless steel racks
(2) portable roller carts for above racks
(1) stationary roller rack (holds (3) of above racks)
HEAT TREAT EQUIPMENT
Quality Used Heat Treating Equipment
Item C-0083 – Furnace – Plasma Ion Nitriding
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