Precision Processing Services Limited

Precision Processing Services Limited (PPSL) has many year's experience in cleaning filters and other process plant used in a wide variety of applications.

PPSL Cleaning Processes

PPSL use a range of procedures to undertake parts cleaning. Each overall process involves a series of individual steps which build together to enable the successful refurbishment of the parts. Some of these processes are outlined below.

Pyrolysis is a process used to remove contamination through heating the parts at controlled temperatures in a low oxygen atmosphere where the contamination is thermally and chemically decomposed to a dry residue. The use of pyrolysis in PPSL is quicker and more efficient than typical workshop cleaning where manual processes are used.

When pyrolysis is supplemented with PPSL chemical processes as secondary cleaning, parts can be returned to as-new condition and supplied to the customer ready for re-insertion on-line resulting in reduced down times.

PPSL utilises two bespoke rate controlled ovens to effect the removal of a wide range of contaminants; from everyday paints and coatings, to modern chemical resistant polymers. The first oven in PPSL is a box oven able to accommodate parts up to 1.2 cubic metres. The second oven in PPSL is a screw cleaning oven able to accommodate parts up to 4m in length.

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Examples of material successfully removed from components using Pyrolysis by PPSL are:

Paint and Varnish
Polyester
PEEK
Polyethylene
Polypropylene
Adhesives and Resins
Oils and Greases
Specialist coatings
Hard water scale
Other contaminations

Examples of the equipment PPSL have successfully processed using Pyrolysis are:

Extrusion screws
Extrusion dies
Paint jigs
Spinnerettes
Electric motor bodies
Gear boxes
Pipework
Heat exchange equipment
Other components

To find out if PPSL can provide you a solution to your process equipment refurbishment needs, please contact us with your requirements.

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