



ACID PICKLING AND SHOT BLASTING OF STEEL

Description

Mechanical cleaning of shot blasting is a cleaning system of the surface of the part that is done by projection or small steel balls. It is a cleaning operation performed at room temperature by means of a beam of steel grit or balls accelerated that impact on the metal surface at high speed and under controlled conditions.

Acid pickling consists of the removal of rust present of the surface of metallic parts by means of a chemical or electrolytic solution.

The advantages of mechanical cleaning vs acid pickling are that the first type of cleaning does not use chemical products and thus, no toxic waste is generated since shot blasting consists only on the acceleration of steel balls by means of a Wheel turbine and further separation of sprayed material and fine particles and scale.

Shot blasting material can be used again



Application technology

Bulk

Rack

General properties

Shot blasting:

- No hydrogen embrittlement risk during the process. The part is not embrittled
- It releases tensions that contribute to cracks, formation and consolidation of metallic parts.
- Non-hazardous to the environment since no chemical are used.

Acid pickling:

- Good finish, smooth and uniform



Uses

It is specially recommended for parts produced in high volumes, for instance, bolts and nuts.

THIS TREATMENT IS APPLIED DIRECTLY IN LINE OR IN COMBINATION WITH PREVIOUS AND SUBSEQUENT APPLICATIONS.

GALOL S.A. offers the possibility to reduce logistic costs between the different operations of manufacturing of the part.

GALOL S.A.

Camino de Montaverner, s/nº
E 46850 L'Olleria (Valencia)
Tel. 962 208 005
Http: www.galol.com
E-mail: galol@galol.com

