

BEST PRACTICE DATABASE FOR METAL CLEANING

Specify user requirements, search for processes, evaluate and compare

What is CLEANTOOL?

CLEANTOOL is a globally leading parts cleaning database for the metal sector in craft and industry, based on real processes recorded in numerous European companies. The presented cleaning methods as well as the used equipment and the cleaning agents are well tried. Experts view them as best practice regarding the respective cleaning task.

The database is managed by three non commercial institutes from Germany, France and Spain. It is publicly available in four languages under www.cleantool.org

Users select the information meeting their requirements

There are two possibilities to access the data:

- Users find basic information on different cleaning methods and can view all related processes stored in the database.
- Users select and enter their individual requirements in a comprehensive search interface. This may include parameters for material, dirt, size, geometry, amount and subsequent process.

Evaluation

Users have the possibility to evaluate and compare the selected processes according to five general criteria:

[technology](#), [quality](#), [health and safety](#), [environment and costs](#).

The evaluations are graded on a scale of one to five. The following items are considered specifically:

Technology

In this area users can see how the company technician evaluates the equipment. Here we do not publish advertisement of plant producers nor views of theorists, but the unemotional statement of practitioners. In addition important selection criteria are given like: maximum equipment utilization, size of equipment, cleaning steps, auxiliary equipment and necessary qualification level of operators.

Quality

Under quality – defined as customer satisfaction – users are presented with the following criteria: quality of the process as seen by the plant technician, description of the subsequent process as an indication for the required cleanliness, description of the applied internal and/or external standards and a description of the analytical methods applied.

Occupational Health and Safety

Health and safety criteria are broken down into the areas agent, equipment and the combination of agent and equipment with their special hazards. The evaluation follows to a large extent the column model of the German accident insurers.

Environment

Environmental hazards caused by the agent are also evaluated by using the column model, considering the R-phrases, the danger symbol N and the German water pollution classes. Hazards caused by the exposure potential follows also the column model. Finally the methods of disposal, the energy- and water consumption as well as the generated amount of sewage are stated.

Costs

Evaluation of costs for cleaning processes poses a special challenge. Even within one country the prices for

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energy, water, agents etc. may vary, not to mention variations between different countries. To overcome these problems, CLEANTOOL provides an interactive feature, encouraging users to enter their individual labour-, energy-, water- etc. costs into the calculation interface to get back a customised estimation of cleaning costs.

Comparison

Users can put the evaluations of their selected processes in parallel. All criteria can be compared. CLEANTOOL thus offers a powerful aid to decision making.

Info plus

Considering the vast amount of different cleaning requirements CLEANTOOL cannot answer all questions satisfactorily. For this reason we also provide information on regulations, prevention measures, optimisation potentials, magazines, specialists, links to other databases, etc. CLEANTOOL offers thus also a starting point for general cleaning information for the workshop practitioners and technicians.

Who is behind CLEANTOOL?

The CLEANTOOL project consortium consists at present of the Cooperation Centre Hamburg as coordinator, the French National Institute for Research and Safety, INRS and the Spanish Trade Union Institute for Work, Environment and Health, ISTAS. The work is supported by advisory boards.

Offers

Furthermore users may commission research for cleaning methods or seminars for their staff.

Please ask for an offer!



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