



# Advanced Stud Cleaning Machine for RPV stud & nut

PWR – EPRTM 1600 MW



**Siempelkamp**

NIS Ingenieurgesellschaft

- Full automatic cleaning & greasing of RPV stud and nut
- SCM can be used for different stud sizes (Adapters)
- Loading and unloading of RPV stud incl. RPV nut with integrated hoist system
- Automatic disassembling of RPV stud and nut
- Rotating stainless steel brushes
- 3 steps cleaning process of threads
  - Scrapping by rubber of outer/inner threads
  - Scrapping by felt of outer/inner threads
  - Brushing by VA-brushes of outer/inner threads
- Additional brushing of tensioning thread or profile
- Integrated vacuum unit
- Break for inspection of cleaning results
- Controlled grease apply on threads
- Automatic reassembling of RPV stud and nut
- No additional handling of RPV stud (vertical → horizontal → vertical)
- Dry cleaning - no contamination risk by fluids or liquid solvents
- Less dose for NPP staff during cleaning
- Controlled waste collecting
- Small floor space required



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