



# Advanced Stud Cleaning Machine for RPV stud & nut PWR – EPRTM 1600 MW



**Siempelkamp**

NIS Ingenieurgesellschaft

- Full automatic cleaning & greasing of RPV stud and nut
- Loading and unloading of RPV stud incl. RPV nut
- Automatic disassembling of RPV stud and nut
- Three 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



Siempelkamp  
NIS Ingenieurgesellschaft mbH  
Industriestrasse 13  
63755 Alzenau

Tel: +49 6023 40693-0  
Fax: +49 6023 40639-970  
[nis.alzenau@siempelkamp-nis.com](mailto:nis.alzenau@siempelkamp-nis.com)

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