



More than cleaning

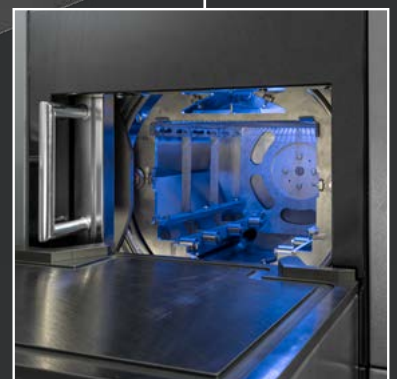
POWERJET COMPACT CNp

Small power package for High Purity requirements

The two-stage Power Jet COMPACT CNp system barely takes up 43 square feet of space and – in addition to the cleaning processes of CNp and ultrasound – has the necessary drying performance for higher demands. This can be implemented either as hot air drying or as combined infrared vacuum drying.



- » Base area only approx. 43 square feet
- » Configurable in three versions
- » CNp and ultrasound
- » Hot air and infrared vacuum drying
- » Suitable for grey or clean room connection



GENERAL FEATURES:

- » Workload **23,6" x 15,8" x 11,8"** and weights up to **330 lbs.**
- » Full-flow filtration with filter units down to **0.5 µm.**

CONFIGURABLE IN 3 VERSIONS:



» **Module 1 "Clean":**

The application area ranges from final cleaning for classic cleaning requirements after machining to pre-cleaning for high purity clean room usage.

» **Module 2 "Clean AM":**

Suitable for removing powder residues from the surface and internal structures of additive manufactured components.

» **Module 3 "Pure":**

Supplementary module after pre-cleaning for high-quality cleanliness specifications with the option of alignment to a clean room and connection to a UPW loop system (UPW module "High Purity").



» **UPW-Module "High Purity":**

Supply module for pre-tempered ultrapure water, designed as a loop. The module can be integrated into the system both as media supply or as additional rinse.



- » Module 1, 2 and 3 can be equipped with intermediate steam rinsing. This serves to reduce cross-contamination from the cleaning to the rinsing process.
- » The media flows at all 3 modules are monitored by sensors.
- » Connection to online service, remote maintenance systems and cloud-based LPW dashboard for backup of process values and evaluations possible.

**STANDARD SYSTEM
POWERJET COMPACT CNp**



Pre cleaning
Fine cleaning

Powder removal
Fine cleaning

STEP 1

- 1 | CLEANING**
Ultrasound / CNp
- 2 | INTERMEDIATE RINSE**
Steam / External DI-Loop
- 3 | RINSING 1**
Ultrasound / CNp
- 4 | DRYING**
Infrared / Hot Air / Vacuum

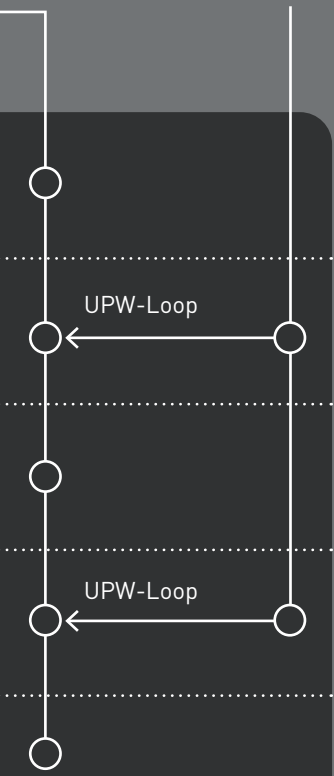


Final cleaning
in grey room

High Purity

STEP 2

- 5 | RINSING 2**
Ultrasound / CNp
- 6 | INTERMEDIATE RINSE**
Steam / External UPW-Loop
- 7 | RINSING 3**
Ultrasound / CNp
- 8 | UPW-RINSING 4**
Ultrasound / CNp
- 9 | FINAL DRYING**
Infrared / Vacuum



Modul 1
Clean

- » From final cleaning for classic fine cleaning requirements after machining
- » To pre-cleaning for high-purity applications before the clean room
- » Designed for particulate and filmic contamination
- » Flood cleaning processes with support of CNp in combination with ultrasound

Options (excerpt):

- » Infrared vacuum drying
- » Dual frequency ultrasound
- » Coalescence oil separator
- » Transport and docking trolley
- » Fluid and process monitoring

As **Module 2 "Clean AM"** for powder removal from AM components in the post-processing.

UPW-Modul
High-Purity

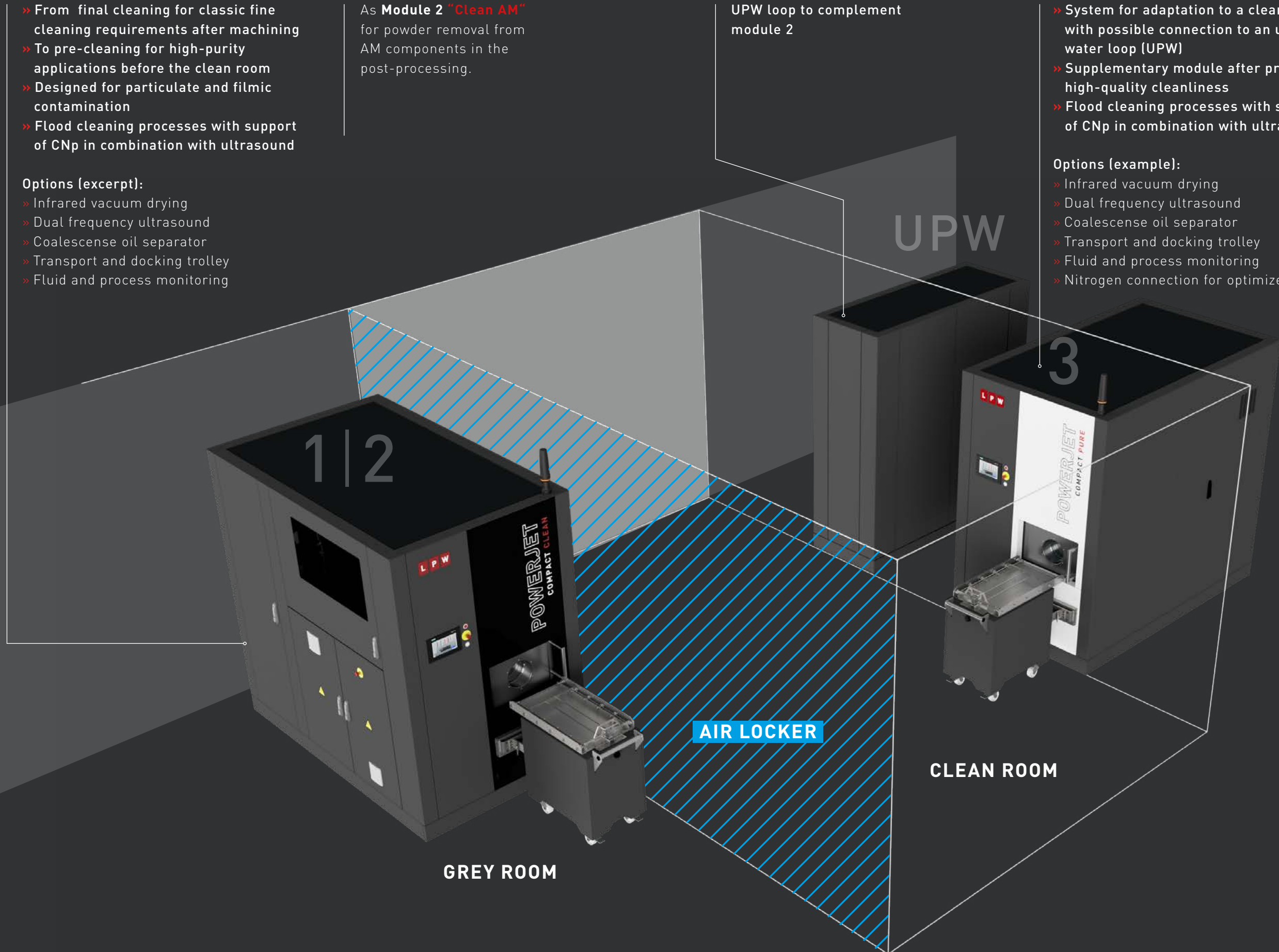
UPW loop to complement module 2

Modul 3
Pure

- » System for adaptation to a clean room with possible connection to an ultrapure water loop (UPW)
- » Supplementary module after pre-cleaning for high-quality cleanliness
- » Flood cleaning processes with support of CNp in combination with ultrasound

Options (example):

- » Infrared vacuum drying
- » Dual frequency ultrasound
- » Coalescence oil separator
- » Transport and docking trolley
- » Fluid and process monitoring
- » Nitrogen connection for optimized drying



GREY ROOM

AIR LOCKER

CLEAN ROOM



More than cleaning

LPW Reinigungssysteme GmbH

Industriestraße 19
D - 72585 Riederich

Phone: +49 (0)71 23 - 38 04-0
Fax: +49 (0)71 23 - 38 04-19
info@lpw-cleaning.com
www.lpw-cleaning.com

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