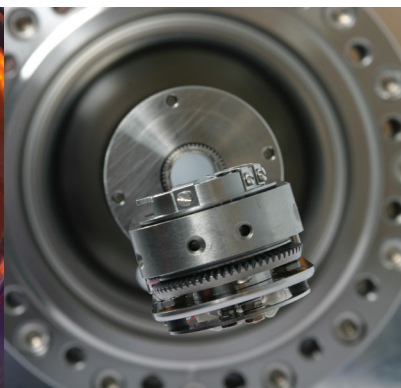
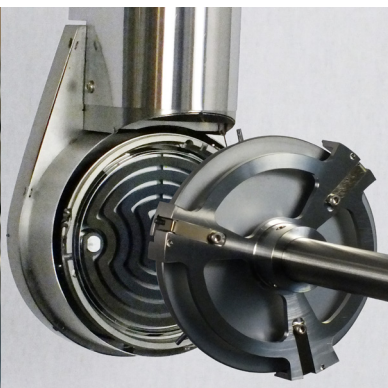


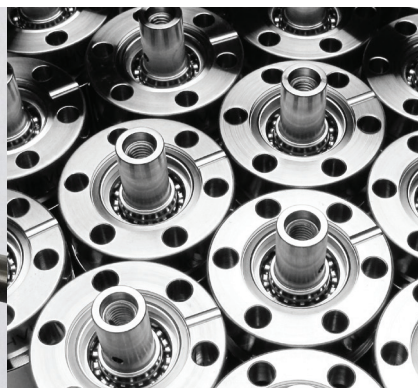
DEPOSITION STAGES



ANALYTICAL STAGES



SAMPLE TRANSFER



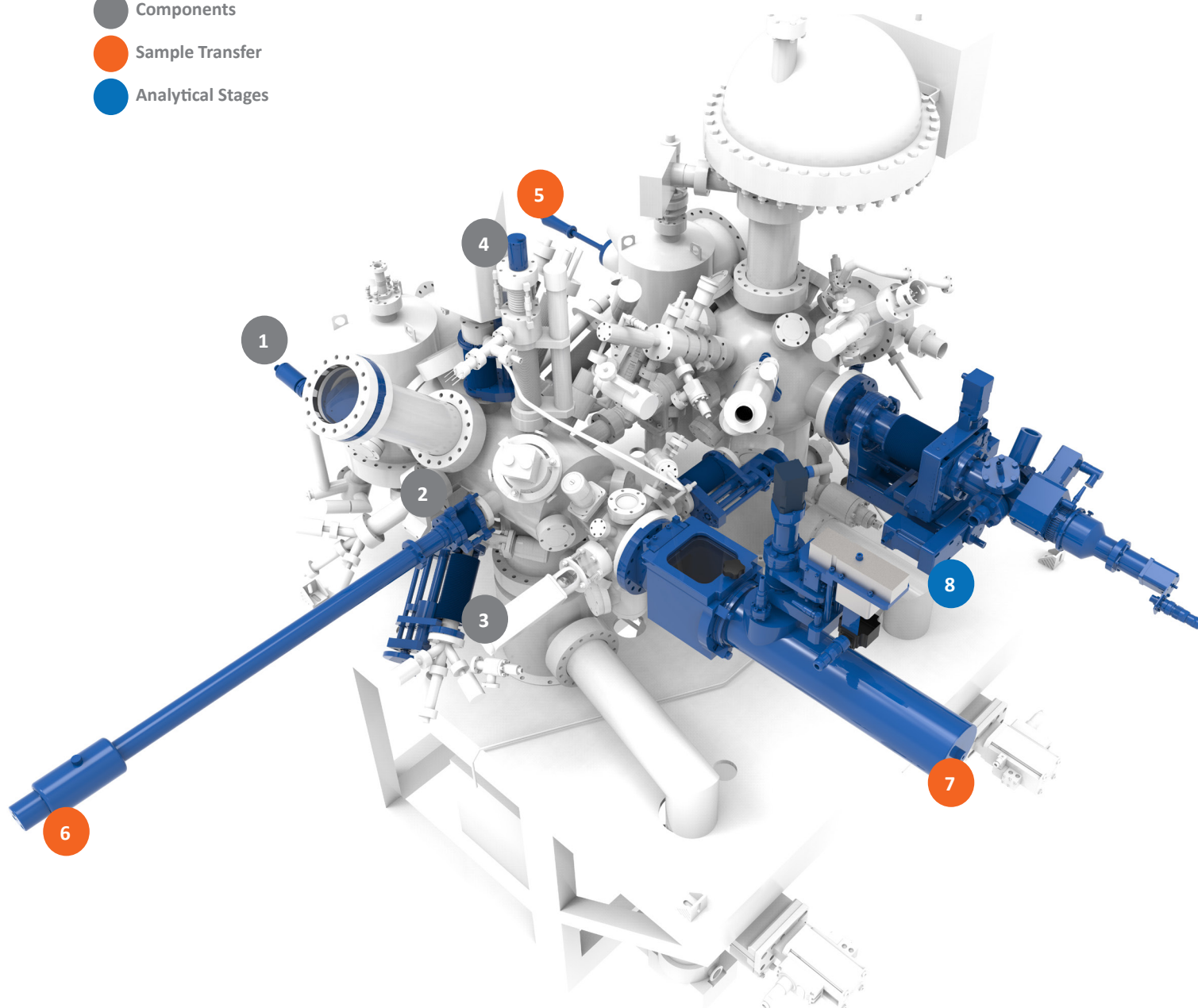
COMPONENTS

www.uhvdesign.com

Surface Science

Our high precision MultiCentre stages have been designed to address the ever increasing demands of today's surface analytical and synchrotron end-station applications. In addition, we supply a comprehensive range of components and sample transfer arms.

- Components
- Sample Transfer
- Analytical Stages



1 View Port Shutter

2 Port Aligner

3 Linear Shift Mechanism

4 Rotary Drive

5 Wobble Stick

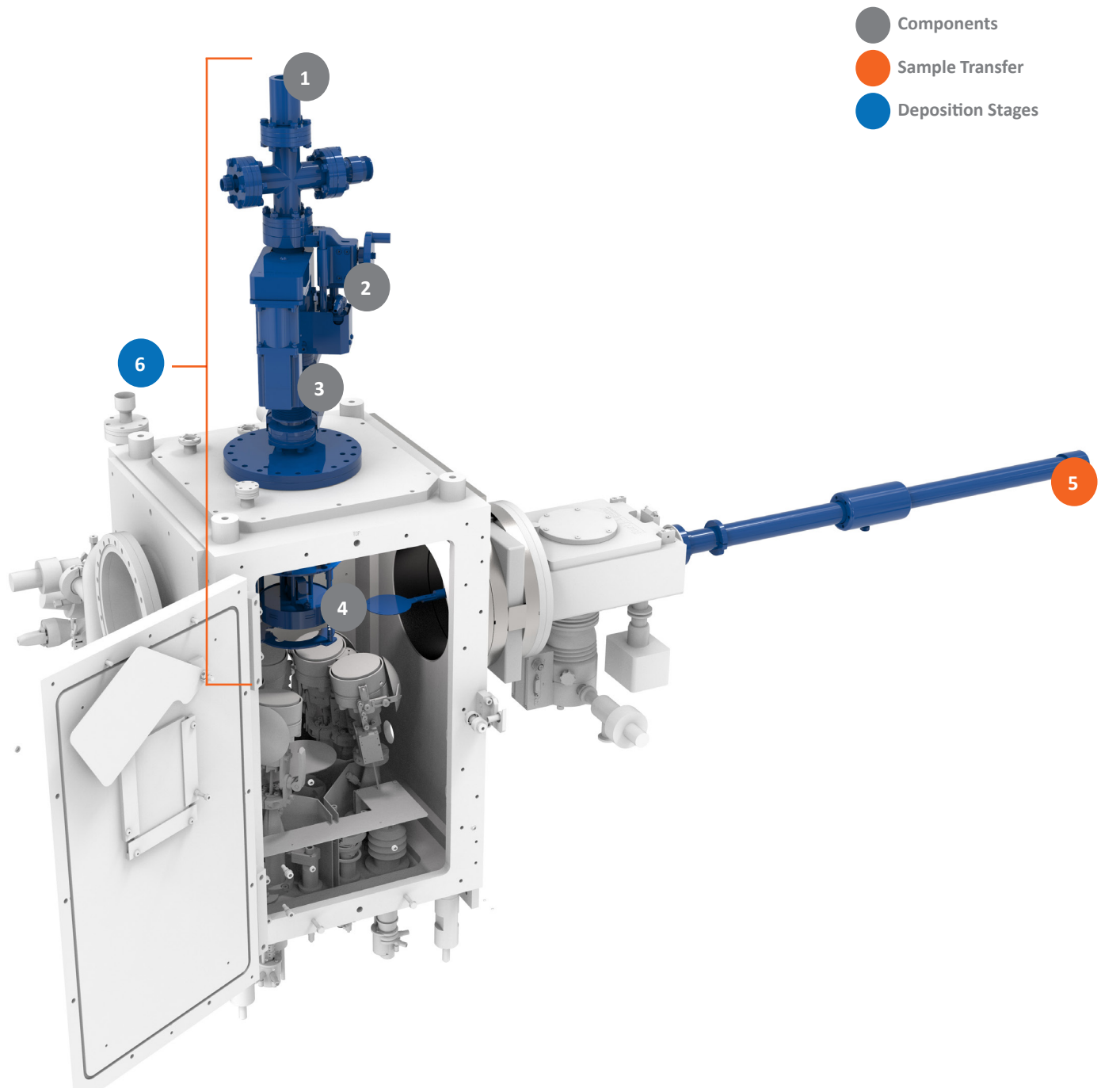
6 Magnetically-Coupled
Transfer Arm

7 Linear Telescopic Transfer Arm

8 MultiCentre Analytical Stage

Thin Film Deposition

Our Epicentre range of deposition stages employs cutting-edge design and engineering technology to give high temperature, uniform and durable substrate heating with precise manipulation under true UHV conditions. In addition, we supply a comprehensive range of components and sample transfer arms for wafers and standard sample holders.



1 Rotary Drive

2 Magilift

3 Linear Shift Mechanism

4 Heater Module

5 Magnetically-Coupled Transfer Arm

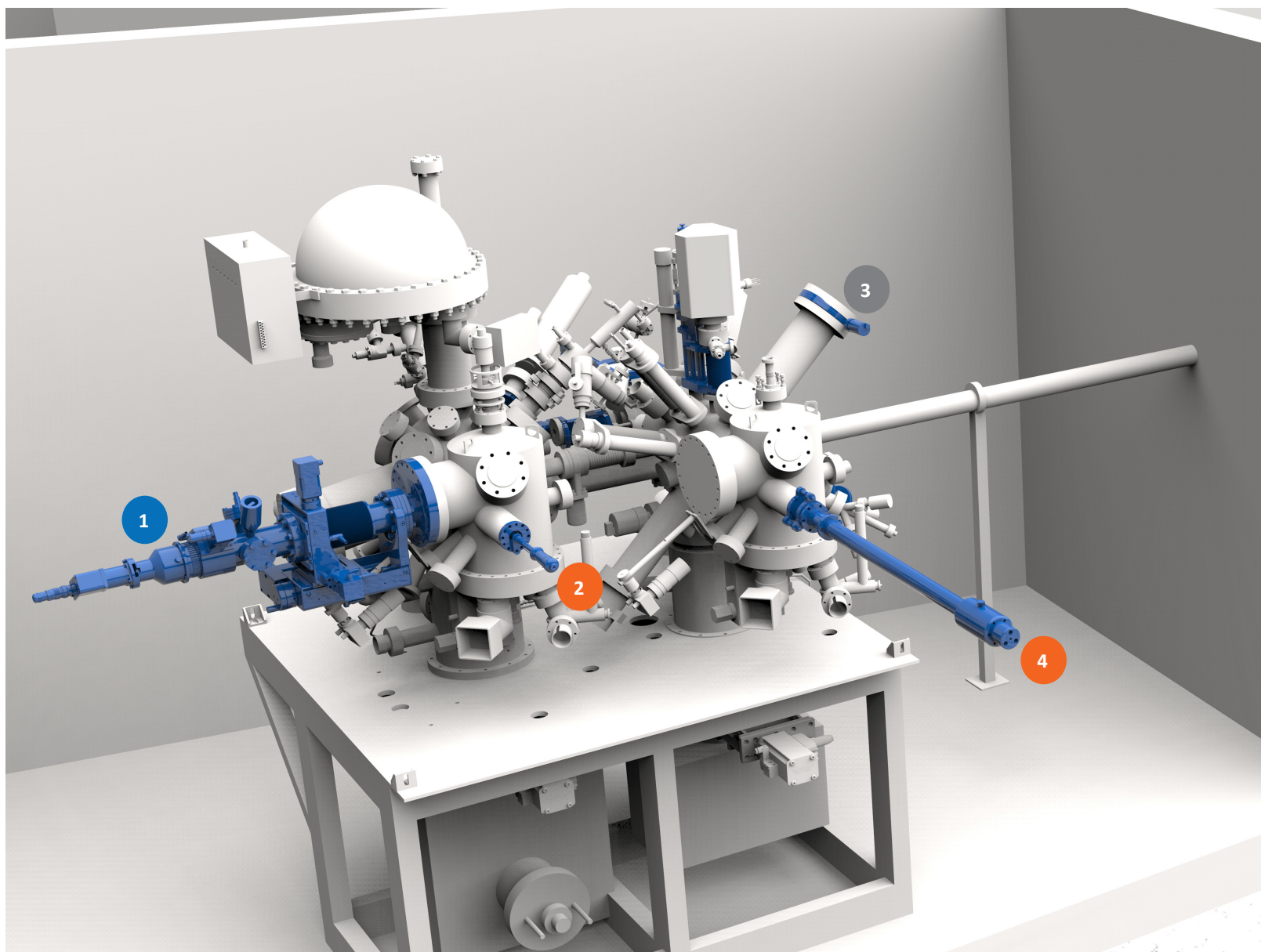
6 Epicentre Deposition Stage

Light Sources

UHV Design is now firmly established among the particle accelerator community as the supplier of choice for UHV manipulation devices ranging from linear actuators through to complete multi-axis sample manipulators.

UHV Design is able to rapidly and competitively customise its UHV manipulators, already the largest range in the world, to meet the required facility wiring standards and communications specification.

- Components
- Deposition Stages
- Sample Transfer
- Light Source Range



- 1 MultiCentre Analytical Stage
- 2 Wobble Stick
- 3 Viewport Shutter
- 4 Magnetically-Coupled Transfer Arm
- 5 Magnetically-Coupled Push-Pulls
- 6 Ballscrew Driven Linear Shift Mechanisms

Product Customisation

For key accounts such as OEMs, Particle Accelerators and Government laboratories, we offer a product customisation service.

By understanding our customer's technical, electrical and control requirements we can typically modify our standard products to make them easier to install, service and control without compromising reliability.

Our in-house engineering team, production facility, clean room and dedicated test room allow us to design, manufacture, test and supply custom products to a diverse range of global customers.

Our typical value-add engineering process is detailed below:

1 UNDERSTAND THE REQUIREMENT

- » Work with our customer to understand the application challenges
- » Determine the technical, commercial and practical requirements
- » Provide technical and engineering consultancy

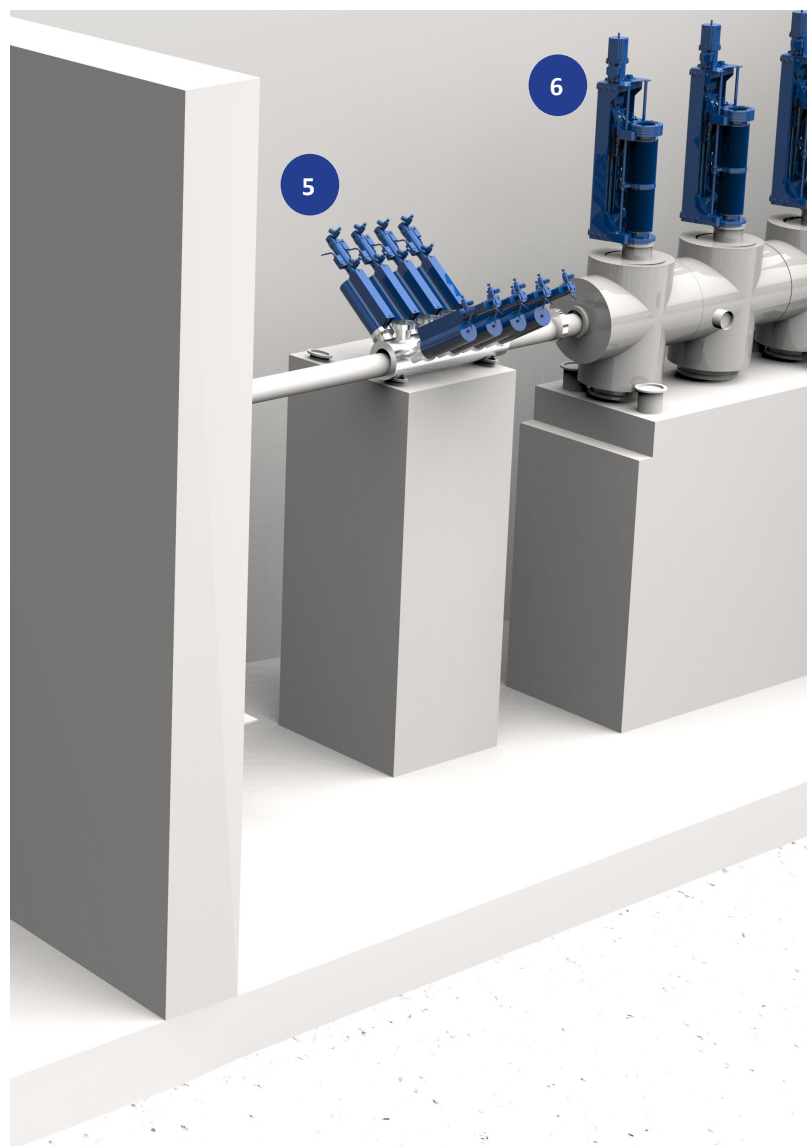
2 DESIGN THE SOLUTION

- » Our Engineering & Design team produce and share concepts, drawings and 3D models
- » Online meetings are used to finalise the specification
- » A drawing is provided for approval

3 MANUFACTURE, SUPPLY & SUPPORT

- » Our production team machine, clean, assemble and test
- » Engineering & Sales provide ongoing technical support

Contact us to discuss your requirements using the contact details provided below.





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