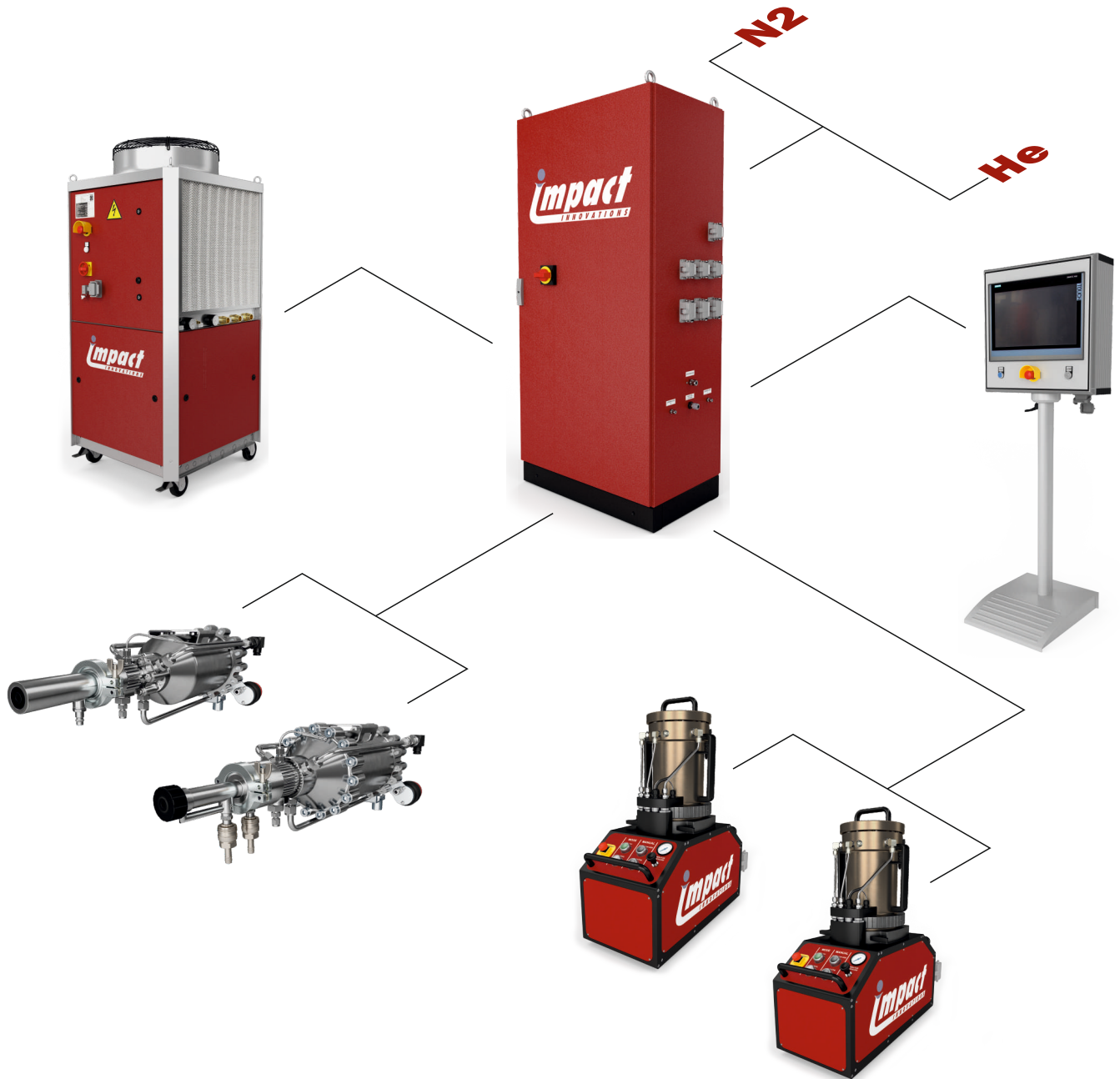




**COLD  
SPRAY  
EQUIPMENT**

# GOLD SPRAY SYSTEMS



## IMPACT SPRAY SYSTEM 5/8

### Performance

- Maximum gas temperature: 800 °C
- Maximum gas pressure: 50 bar

### Standard

- Impact Gun 5/8
- 1x Impact Powder Feeder 5/11
- Impact Control Unit 5/11 (Process gas N2)

### Optional

- 2nd Impact Powder Feeder 5/11
- Additional process gas He
- Impact Water Cooling 5/11
- Various additional equipment

## IMPACT SPRAY SYSTEM 5/11

### Performance

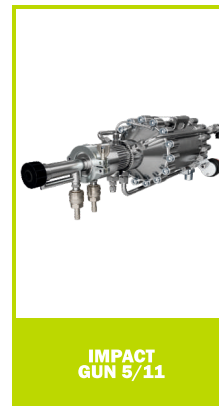
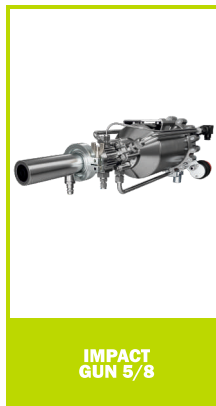
- Maximum gas temperature: 1100 °C
- Maximum gas pressure: 50 bar

### Standard

- Impact Gun 5/11
- 1x Impact Powder Feeder 5/11
- Impact Control Unit 5/11 (Process gas N2)
- Impact Water Cooling 5/11

### Optional

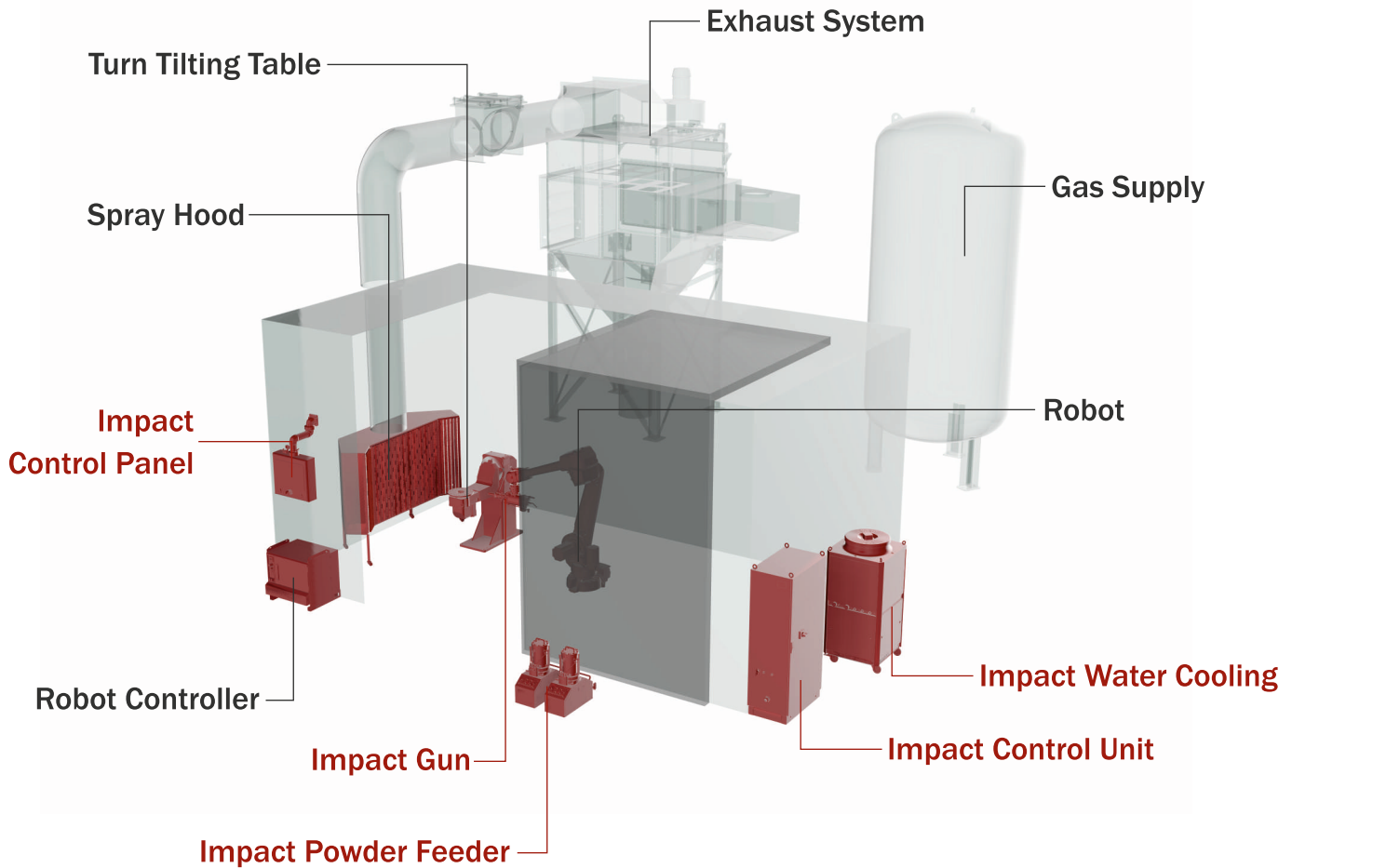
- 2nd Impact Powder Feeder 5/11
- Additional process gas He
- Various additional equipment



**INDIVIDUAL CONFIGURATION OF THE IMPACT SPRAY SYSTEM POSSIBLE**

# COLD SPRAY SYSTEM INTEGRATION

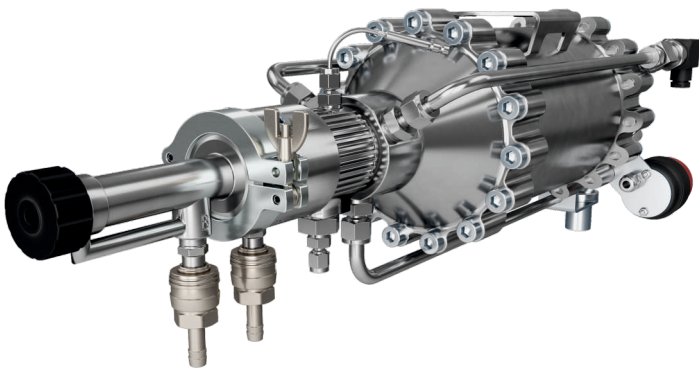
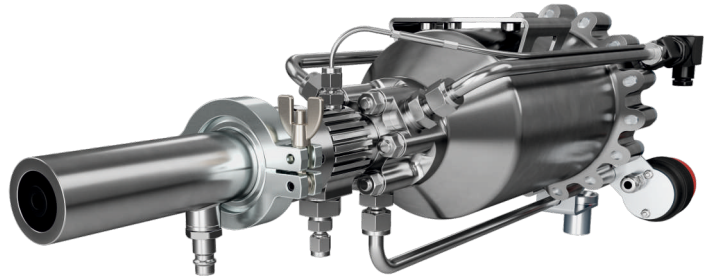
Cold spray systems are manufacturing facilities that can be designed for use as individual production units or for integration into manufacturing lines. The main components of a cold spray system are:



# KEY COMPONENTS OF THE IMPACT SPRAY SYSTEM

## IMPACT GUN 5/8

- Process gas temperature: 100 - 800 °C
- Process gas pressure: 10 - 50 bar
- Integrated heater with a heating power of 34 kW
- Compact and low weight design: 21,5 kg
- Air and water cooling of the nozzle possible



## IMPACT GUN 5/11

- Process gas temperature: 100 - 1100 °C
- Process gas pressure: 10 - 50 bar
- Integrated heater with a heating power of 40 kW
- Compact and low weight design: 27 kg
- Air and water cooling of the nozzle possible
- High end spray gun for the whole range of cold spray

## IMPACT POWDER FEEDER 5/11

- Maximum operating pressure: 50 bar
- Maximum feed rate: 1.5 L/h
- Powder container Volume: 3.7 L
- Fully integrated into the entire system
- All relevant parameters can be called up and recorded



## IMPACT WATER COOLING 5/11

- Maximum cooling capacity: 15 kW
- Fully integrated into the entire system
- All relevant parameters can be called up and recorded

## IMPACT CONTROL UNIT 5/11

- Maximum operating pressure: 50 bar
- Maximum process gas flow Nitrogen: 190 m<sup>3</sup>/h
- Maximum process gas flow Helium: 270 m<sup>3</sup>/h
- Intelligent component architecture „Plug & Play“
- Several interfaces for integration into superior machine or safety controls
- Integrated data storage system with network connectivity
- Interface for remote maintenance



## IMPACT CONTROL PANEL 5/11

- 19" Touchscreen
- Intuitive user interfaces
- Clear presentation of all actuators, sensors and process parameters
- Data logging of all process parameters
- Customized software modifications possible

# FOLLOW US

