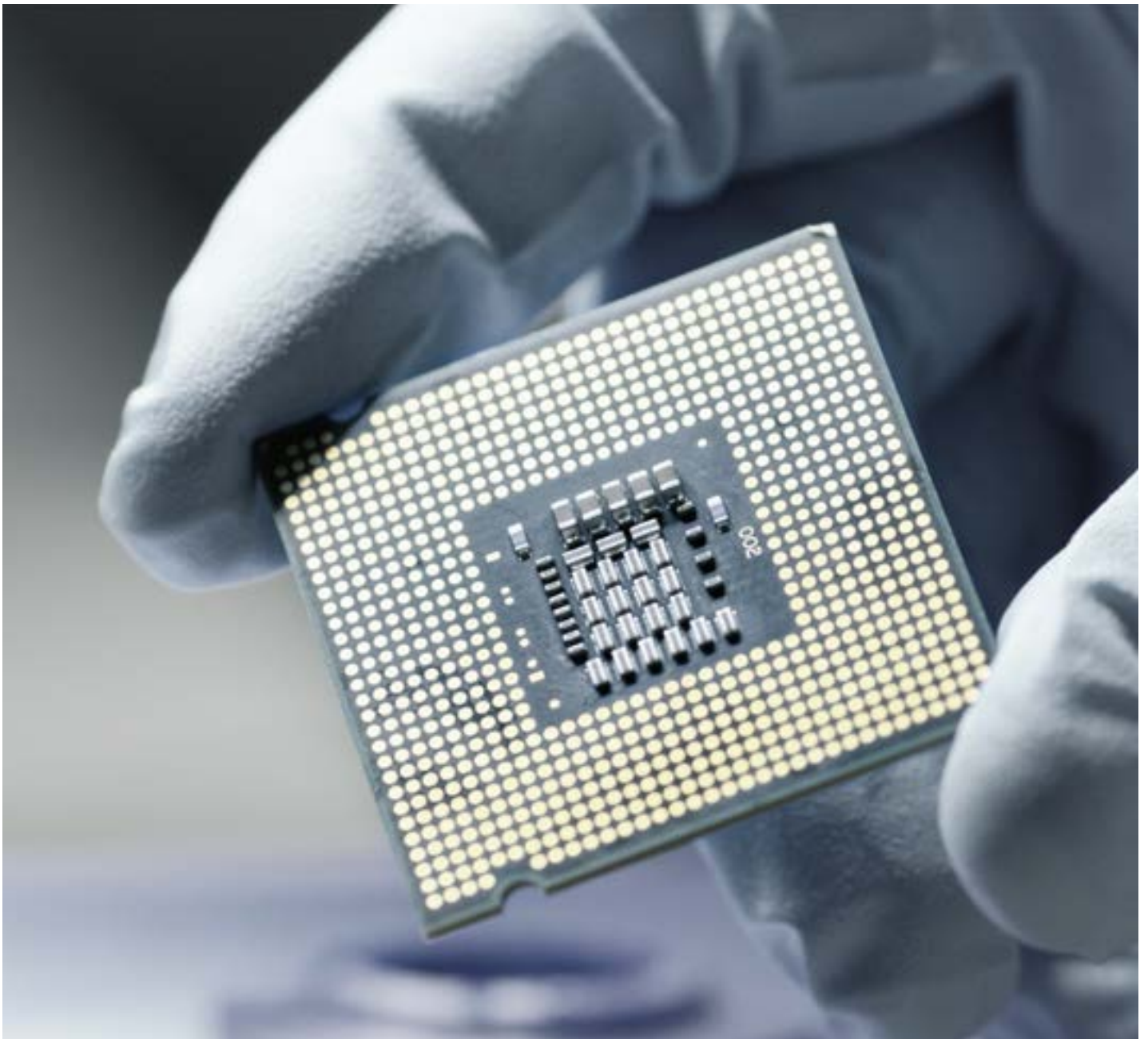


# Semiconductor manufacturing solutions

**Quick connectors for cooling, gas and vacuum lines**



# Solutions enabling efficient and modular semiconductor manufacturing

Thanks to Staubli connector solutions, the installation, operations and maintenance of semicon manufacturing equipment is **QUICK, EASY, CLEAN & SAFE**

- No matter the connection media (water, glycol-water, coolant, gas, vacuum)
- No matter the conditions and environment (temperature, pressure, flow, cleanliness requirements,...)

## Main benefits

No leakage

Adapted to both low and high temperature

Compatible with fluids used in semicon manufacturing industry

No equipment contamination

Quick to connect & disconnect

Ergonomic – easy to connect/disconnect

Low pressure drop guaranteed

High flow rates

Compact design

Multiple solutions: mono couplings, blind mate, multi plates

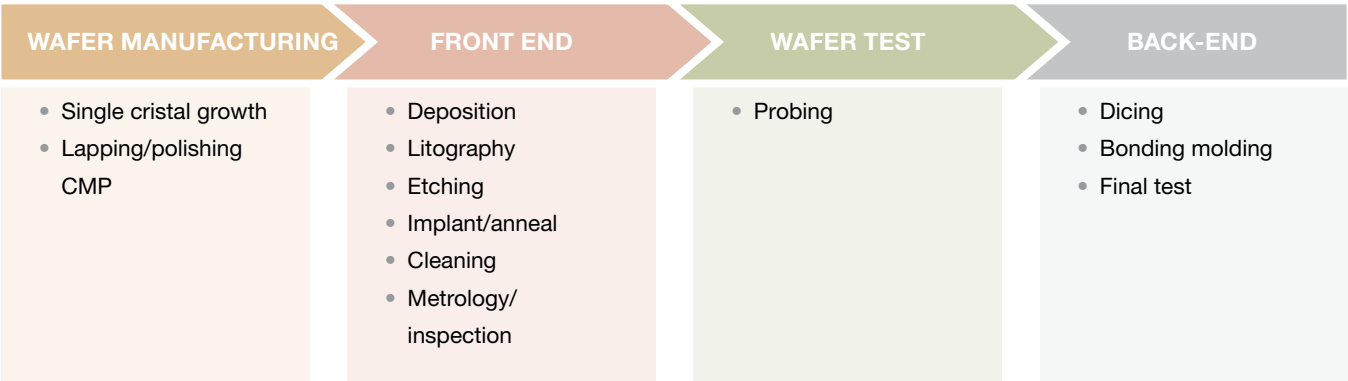
Reliable

Local support at every stage of customer's project

## Connection solutions for each step of semicon manufacturing process: Wafer manufacturing, Front-end, Wafer test & Back-end

Guaranteeing efficient and clean cooling, gas & vacuum supply connections between:

- Equipment
- Sub-equipment
- Components
- Utilities



## Mono couplings

### MCB



<b>Characteristics:</b> non-spill, automatic lock
<b>Material:</b> stainless steel
<b>Temperature (°C):</b> -80 to +250
<b>Max pressure (bar):</b> 100
<b>Nominal diameters (mm):</b> 3, 5, 8, 12, 16

### HCB



<b>Characteristics:</b> non-spill, bayonette
<b>Material:</b> stainless steel
<b>Temperature (°C):</b> -40 to +250
<b>Max pressure (bar):</b> 350
<b>Nominal diameters (mm):</b> 3, 5, 8, 12, 16, 20

### DAG



<b>Characteristics:</b> non-spill, automatic lock
<b>Material:</b> stainless steel
<b>Temperature (°C):</b> -30 to +150
<b>Max pressure (bar):</b> 16
<b>Nominal diameters (mm):</b> 3, 6, 9

### CBI



<b>Characteristics:</b> non-spill, automatic lock
<b>Material:</b> brass
<b>Temperature (°C):</b> -20 to +250
<b>Max pressure (bar):</b> 16
<b>Nominal diameters (mm):</b> 3, 6, 9, 12, 16, 25

## Rackable couplings

### CGD/L



<b>Characteristics:</b> non-spill, blind-mate, misalignment compensation
<b>Material:</b> aluminium
<b>Temperature (°C):</b> -40 to +175
<b>Max pressure (bar):</b> 16
<b>Nominal diameters (mm):</b> 3, 5, 8, 12

### DDG



<b>Characteristics:</b> non-spill, blind mate, misalignment compensation
<b>Material:</b> stainless steel
<b>Temperature (°C):</b> -20 to +150
<b>Max pressure (bar):</b> 16
<b>Nominal diameters (mm):</b> 3, 6, 15



All products performances values are depending on the application, type of media and size of product.

## Large bore couplings

### TDU



<b>Characteristics:</b> full-flow
<b>Material:</b> stainless steel
<b>Temperature (°C):</b> -10 to +80
<b>Max pressure (bar):</b> 10
<b>Nominal diameters (mm):</b> 24, 50

## Multi couplings

### MULTI



- Connecting multiple circuits, different media and electric lines at once.
- Customized design.

For additional information, more solutions and options, please contact your local Staubli representative.



● Stäubli Units    ○ Representatives/Agents

# Global presence of the Stäubli Group

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