Play it safe with your robot colleague!

(infineon

EUROPE'S FIRST Automatic Chemical Dispensing Station at Infineon's Dresden Plant



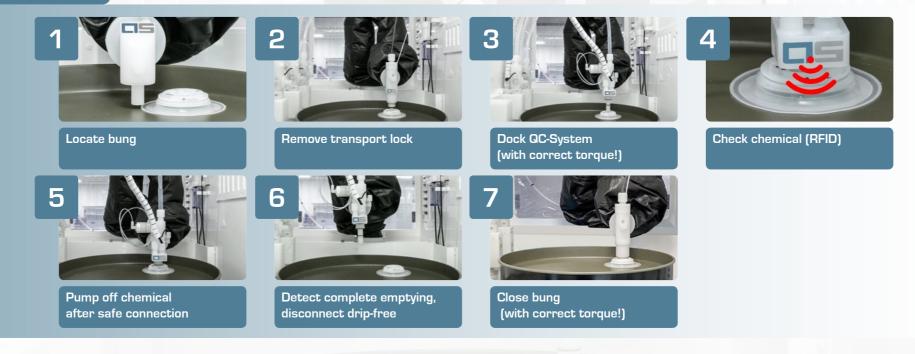


EXTREMELY dangerous chemical in use: high risk, high cost, high responsibility





i4.0 Now also for Drum Emptying



MORE PROTECTION: No more chemical contact!













HANDLING of

life-threatening chemicals, e.g. hydrofluoric acid, TMAH, etching mixtures, is substantially defused NO more people in the direct danger zone when opening and connecting containers NO more excessive personal protective equipment (PPE) requirements NO

physical double checks by different staff members NO

excessive or extra training for operations staff

BETTER

risk assessment by plant manufacturer (CE directive; STOP principle: plant manufacturer must recommend robot technology!)

MORE SAFETY: No more chemical mix-ups!



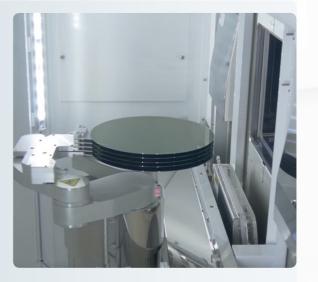
Automatic chemical detection (RFID): chemical, concentration, supplier, container expiration date, etc. Automatic and complete traceability: reports when each drum with the specific chemical and batch was emptied Pump release only with matching chemical

No more wrong chemical in the process!

MORE CLEANLINESS: No contamination!







Humans no longer the No. 1 source of contamination More cleanliness means more safety

Improved product quality!

SMALL DIMENSIONS: No extra space required!

Footprint of robot box practically identical to conventional TGM station (approx. 100 x 145 x 220 cm)

Easy integration into existing environments

Easy loading with standard pallet trucks/forklifts/barrel lifters

No special connections necessary





LOW EXPENSES: Fast amortization!



No constant change of single-use PPE (full protection, filter masks, gloves) No double check principle, One-man operation Less incidents

First pilot calculation: amortized after approx. 1 year! AN ALL-AROUND SUCCESSFUL PILOT PROJECT: better occupational safety, better quality!

What surprised me about this project was how efficiently we were able to improve occupational safety and process quality. It took us only a few days from delivery to commission the robot. And it worked flawlessly right away. That's something you don't get every day with innovation projects.

Petra Handrick-Morgenstern

Infineon Facility Management Dresden





SAFETY-FIRST PARTNER OF INFINEON

"Improved risk assessment was a key concern for us as a plant manufacturer - and this was achieved without reservation."

> Frank Petzold Managing Director eMAXX



"For chemical handling, this was truly pioneering work by Infineon, and the entire industry will benefit from the added protection and safety."

Nico Fischer

Business Development AS Strömungstechnik



More information about the QC robot?

www.asstroemungstechnik.de

Thank you for your interest!

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