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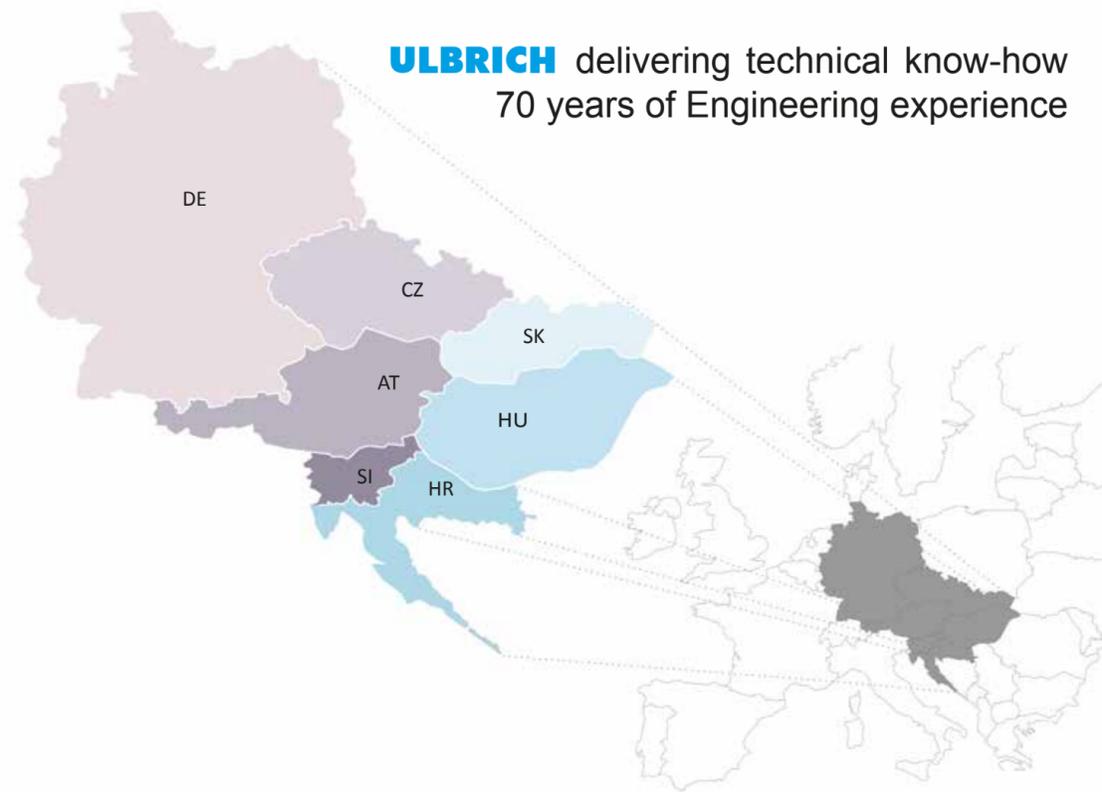
Automated Dispensing & Mixing

ULBRICH

Bond & Seal Application Technology

Smart Application System for Adhesives & Sealants

Mix Ratio's 1:1, 2:1, 4:1 & 10:1



ULBRICH delivering technical know-how
70 years of Engineering experience



ULBRICH automation of dispensing applications



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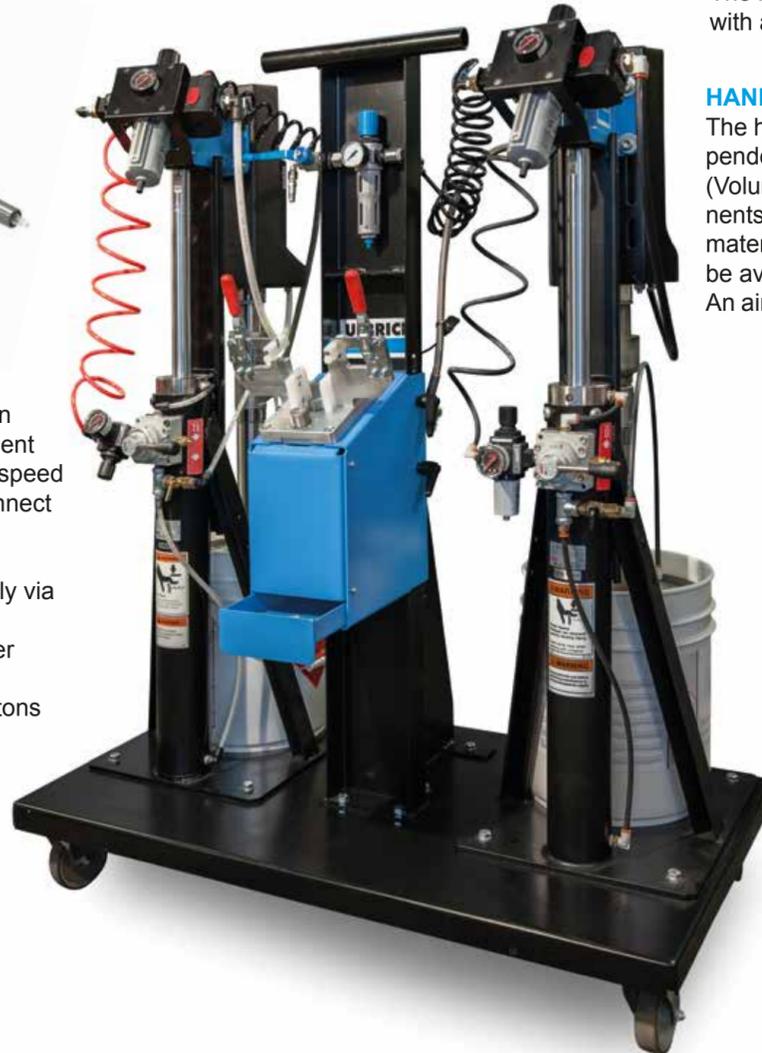
Re-fill hand-dispenser for manual application of 2 Part Adhesives and Sealants

In combination with our Re-fill Station for 20-Liter-pails



Info.Hand Dispenser:

- Ergonomic non-slip grip
- Finger switch protection avoids unwanted activation
- Hand grip adjuster allows centre of gravity adjustment
- Rapid re-fill time for effective working / application speed
- Air-line adapter enables flexibility, operator can connect to an air-line anywhere in the factory
- Robust design. No breakage of plastic parts
- Hand grip can be replaced for work bench assembly via foot pedal
- Independent pistons allow 100 % filling of dispenser despite dramatically different material viscosities
- Fill level indicator for material A & B in line with pistons



Details Refill-Station inkl. Docking-Station:

- No electrical circuits
- Powered 100 % by air-pressure
- Adjustable docking height
- Pail replacement and fitting very rapid
- Well balanced system, easy to push by hand or transport via forklift
- Removable drip tray for simple cleaning
- Re-fill of part A and B can be simultaneous or independant

DOCKING-STATION

The re-fill of the hand-dispenser via the re-fill and docking station allows for a fast ,safe and highly controlled re-filling of the hand-dispenser with exact filling volume mm³ ; and hence an extremely precise / high repeatability rate.

REFILL-STATION

Two high quality air motor pumps which are assembled for easy changing of pails via the air ram lifting system enable rapid, air-free filling of the hand dispenser.

De-aeration of the material lines can be carried out at three stages on both sides of the re-filling system.

The re-fill system is ergonomic, easy to use and highly safe. Both pumps are fitted with an independently functioning automatic / immediate stop function just in case

HAND-DISPENSER

The hand-dispenser is constructed with a pneumatic drive which powers two independent pistons which in turn are mounted in Mix ratio specific material chambers (Volume proportional to adhesive mix ratios). The material path for the two components are totally separated until coming together in the static mixer attached to the material outlet port. In this way a potential mixing of adhesive and curing agent can be avoided.

An air pressure regulator integrated into the hand grip allows the operator to adjust

FEATURES & BENEFITS

Reduction of production costs

- Bulk containers instead of cartridges
- Reduction of waste – disposal of cartridges and mix wastage
- Low maintenance costs
- Rapid and simple replacement of seals
- Fast re-filling and fast pail exchange
- mobile & flexible
- No cross contamination before entering the static mixer possible
- Easy to clean / Easy to train operators
- Safety

Process control

- Easy to adjust dispense speeds / quantity
- Fixed and precise Mix Ratio

Mix Ratio	1:1		10:1
Standard size / reduced	short	standard	standard
Chamber volume A [ml]	157	295,5	73,9
Chamber volume B [ml]	157	295,5	756,5
Total volume A + B [ml]	314	591	830,4
Mixer type	Static mixer recommendation upon enquiry		
Operating-pressure	6 [bar] Max.		
Air-pressure	filtered, oil and moisture free: ISO 8573-1/2.4.2		
Weight (empty) [kg]	4,3	5	5
Length [mm]	631,5	763,5	763,5

optional: Balancer and boom for efficient handling and weight supported guiding

