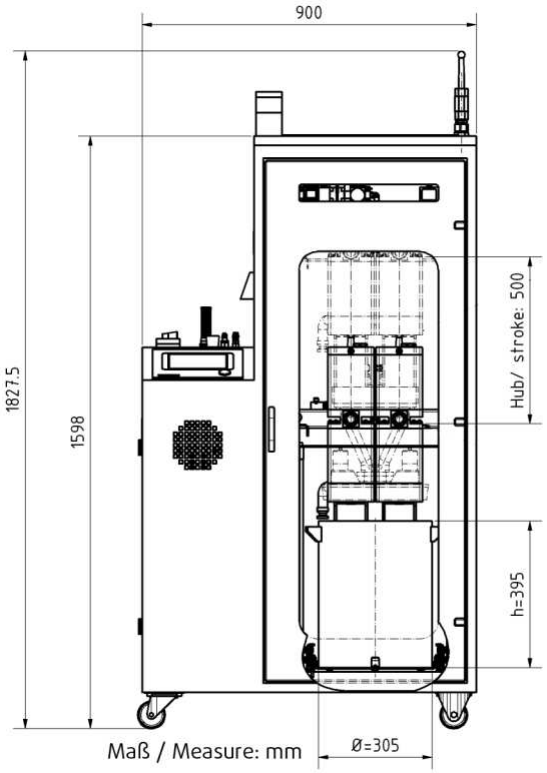
A280
Feeding of highly viscous and abrasive pastes

The A280 is a feeding system for processing highly abrasive and thermally conductive adhesives. In the A280, a robust Scheugenpflug double piston pump feeds the material into the system. The comfortable SCP200 touch screen display allows easy control of the dispensing process.



For handling of:
highly viscous and abrasive dispense materials, i.e. thermally conductive adhesives and pastes for thermal management.

Area of application:
For applying thermally conductive adhesives and pastes in the form of lines, beads or dots.

A280 1C

A280 2C

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Basic equipment and options

Design, Technique and Functions per component
Movable sheet frame colored in RAL 9002 - loading door with inspection glass; door security by safety switch - maintenance acess, rear side bolt together
Loading rack with barrel centering device to align the pail(s) below the pump unit
Pneumatic pump lift unit with centering device for Vacuum Barrel Follower Plate, to ensure a smooth docking process to the pail
Electropneumatic regulator to control the surface pressure
Linear measuring system to monitor the filling level
Vacuum system to evacuate the air cushion between the **Vacuum Barrel Follower Plate** and the material surface during the docking process
Material piston pump for abrasive, pasty dispensing materials with integrated washing fluid reservoir
Stopcock for material hose(s)
Steel mesh hose up to metering unit

Control
Scheugenpflug Control Panel 200 with full graphic touch screen and integrated USB-connection
Control of all steps during production process - docking process - material supply - monitoring functions (like filling level) - metering unit[1]
Operator display language switchable "on the fly"

Operator display language
German, English freely selectable
other languages available on request

Accessories (optionally available)
Air conditioner
Scanner Barcode 1D-Code / 2D-Data Matrixcode for pail monitoring
Dos Module to control a Dos Pxxx-C/xx or a Dos GP metering unit via Scheugenpflug Control Panel 200
External control for communication to a higher level system
Automatic programm selection [1] for communication to a higher level system in association with a metering unit

Combination possibilities (optionally available)
Dos Pxxx-C/xx - series (Piston metering system)
CNCell Systems

Caption:

[1] only in conjunction with a Dos module

Subject to engineering changes

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Technical Data

dimension data		1C	2C
width	mm	900	1500
height incl. signal lamp (1 color, red) and hose connection	mm	1850	1850
depth	mm	700	700
swivelling range front door	mm	530	530
swivelling range cabinet door (left side)	mm	600	600
wheel diameter	mm	80	80
ground clearance	mm	100	100
weight without pail (approx.)	kg	230	390

connecting data		1C	2C
compressed air	bar	6	
compressed air consumption for 6 double strokes/min.	Nl/min	85	170
power supply	400V 3PE, AC 50-60Hz		
connection load	kAV	max. 0,6	max. 0,9

loading and docking per component		
pail, inner diameter	mm	285
pail, outer diameter (base)	mm	305
pail, outer diameter (top)	mm	365
pail, maximum height	mm	420
pail, maximum filling level	mm	upper edge pail - 60 mm
pail, maximum filling level (Bergquist Company)	US liq. gal.	4.0 - 4.5
Linear measuring system, measuring range	mm	500
Linear measuring system, accuracy	mm	1

material feeding per component		
material piston pump		
- stroke	mm	104
- feeding volume per stroke	cm^3	294
- material feeding pressure at 6 bar pneumatic working pressure, approx.	bar	20
- sealing/washing fluid reservoir	cm^3	2 x 750

length material feeding tube [1]						
steel mesh hose (inner - Ø 13, 16)	mm	2000	3000	4000	5000	6000

Caption:

[1] other lengths on request, depending on material viscosity, length and diameter of the material tubes

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