

FS20 & FS200 Series Drum Melters

Cost-effective Manufacturing Systems & Services :

- Industrial Dispensing Equipment & Adhesive Systems
- Industrial Tooling & Maintenance Services
- Industrial Contracting, Engineering & Automation



FS200 LC Drum Melter



FS200 LX version



FS20 LX Drum Melter

The FS200-LC drum unloader is designed to melt and pump moisture curing poly-urethane adhesives as well as all kinds of thermoplastic material out of 200 l. containers.

The heated platen only melts the top layer of the adhesive and progresses deeper in the 200 l. container as molten adhesive is pumped out. This principle is generally referred to as the "melt-on-demand" principle.

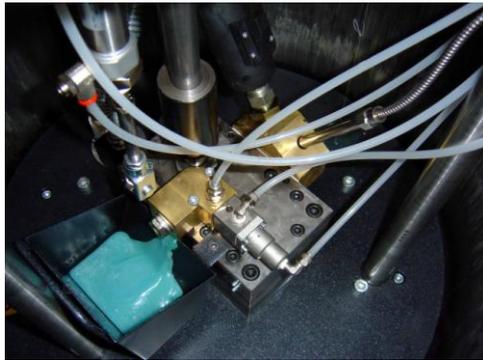
Depending on the required melt rate, the equipment can be configured with flat platen (low melt rates), radial platen (medium melt rates) or a finned platen (high melt rates).

The adhesive is processed in the absence of ambient air or moisture, and due to the "melt-on-demand" principle, minimally thermo-stressed. Therefore drum unloaders are extremely well suited to work with PUR adhesives.

Two drum unloaders can be integrated in a tandem configuration in order to provide continuous glue supply. In this set-up, only one drum unloader is operational, but when reaching the low level, the heating of the second drum unloader is activated. When the first drum is empty, the system automatically starts pumping from the second drum unit.

InduTech can supply you all peripheral equipment such as :

- Heated hoses, guns, nozzles
- HM buffer units, pumping stations, ...
- Roll coaters, brushing and calendering stations
- UV curing and heat reactivation stations
- Loading and unloading stations
- Winding and unwinding stations
- Complete coating lines
- Complete assembly lines



Features & Benefits

- Melt-on-demand, not tank : minimal thermo-stress and hot melt degradation, suitable for reactive PUR and heat sensitive glues
- Contacts parts are ChemCoated : easy maintenance & cleaning
- All units are equipped with low level : safe and fully automatic handling and controls during drum change
- High precision gear pumps for precise volume and wear resistance
- Pump pressure control : no mechanical bypass, less maintenance and exact control of static and dynamic pressure
- Siemens S7-300 CPU controlled : accurate adjustment and monitoring of all process parameters
- Automatic 100% deaeration including the gear pump
- Quality modular components : Siemens PLC, Lenze drives, etc...
Deutsche Gründlichkeit in every detail

Options & Accessories

- Warning light tower
- Drip shield for clean exchange of drums
- Smooth or finned platen optionally available
- Drum jacket reinforcement for fiber drums
- Siemens TP277 Large Touch panel screen
- Millimeter precisely level controller
- Exhaust hood connecting to factory ventilation
- Automatic change-over device for tandem version
- Dual stream pumps
- 2 separate pumps and motors
- Precision servo motor pump drive

Technical Characteristics

		FS20 LS	FS200 LC	FS200 LX
Drum Type		20 l.	200 l.	200 l.
Unit Controller		Siemens S7-300	Siemens S7-300	Siemens S7-300
Unit Control Panel		Siemens TP177	Siemens TP177	Siemens TP177
Temperature Controls		FeKo, Pt100, Ni120	FeKo, Pt100, Ni120	FeKo, Pt100, Ni120
Temperature Range	°C	40 – 220	40 – 220	40 – 220
Temperature Channels (std.)		1 H/G	1 H/G	1 H/G
N° of Pumps & Motors		1	1	1 or 2
Pump Capacity	kg/h	≤ 35	≤ 240	≤ 240
Pump Pressure Control		•	•	•
Auto / Manual Stand-by		•	•	•
Drum Change Controls		Automatic	Automatic	Automatic
Mains Voltage	V	380 (3Ph.+N+E)	380 (3Ph.+N+E)	380 (3Ph.+N+E)
Mains Power	kW	7,0	25,0	25,0
Platen Heating Capacity	kW	4,0	22,0	22,0
Melt Rate	kg/h	≤ 40	≤ 200	≤ 200
Length	mm	1.200	1.410	1.410
Width	mm	800	900	900
Height	mm	1.300	1.800	1.800
Heighth (max.)	mm	1.600	2.700	2.700
Weight	kg	ca. 400	ca. 600	ca. 750

Notes : ⁽¹⁾ Figures are dependant on the glue type and viscosity used.