

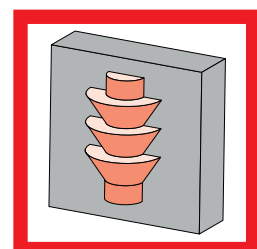


SilcoStar 924



With new 2KM pressure control technology of mixed materials

Hybrid driven metering system for processing LSR



SilcoStar 924

Hybrid driven technology

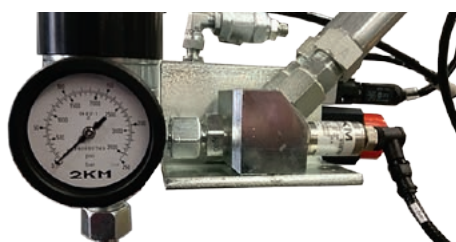
Strong hydraulic power pack with servo electric driven gear pump 2,8 kW

Optimized Barrel Emptying

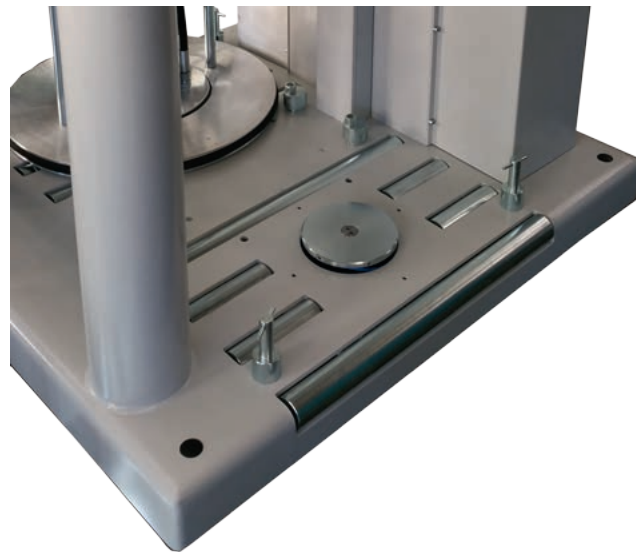
Gratitude to the combination of two completely new developed systems the residual quantity in the 200/20 l barrel can easily and comfortably be reduced to a minimum. The required follower plate deaeration in case of change of barrel is effected automatically and reduced to a minimum quantity gratitude to a new technology. The barrel floor support avoids dents in the baseboard. Different filling quantities of the A and B component may be levelled out thanks to the use of a new metering pumps generation. This technology helps reduce the residual amount in the vessels to approx. 1%.

Basic Equipment

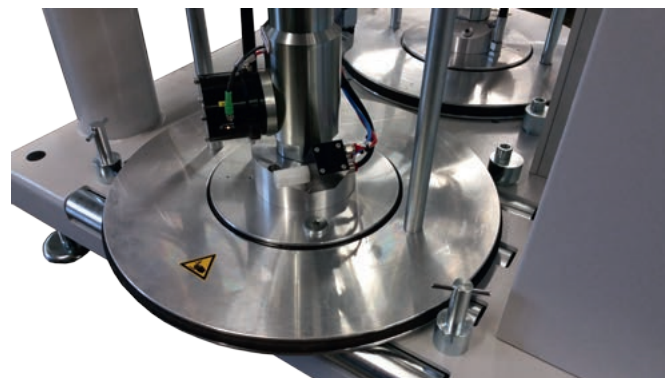
- Hybrid driven pumps (hydraulic with electro-servo drive)
- Pressure control of mixed material
- Variable mixing ratio (+/- 5%)
- Filling level control
- Integrated roll-in device with barrel bottom support
- Automatic pump and follower plate deaeration
- Minimizing of residual amount (< 1%)
- 7" display with 2KM-visio software
- Standard machine connection (mixer block, outlet valve and static mixer)
- Adjustable mounting foot for easy placement of the machine
- Varnishing in standard paint (RAL 7035 and RAL 9003)



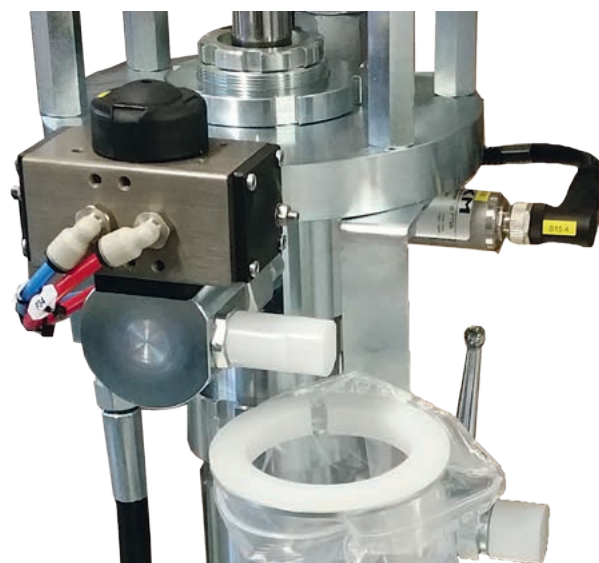
◀ mixing bloc with mixed-pressure sensor



▲ integrated roll-in-device with automatic barrel bottom support



▲ 20 + 200 l follower plate with automatic deaeration



▲ autom. pump deaeration with collection

Metering & Mixing Systems

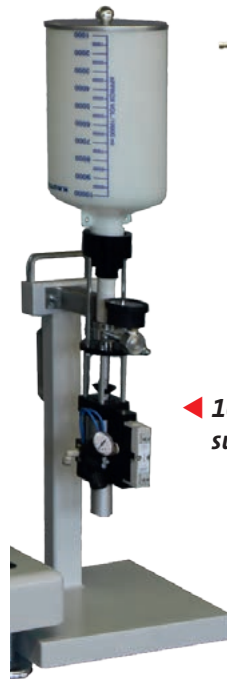


Options

- Standard machine connection
(mixer block, outlet valve and static mixer)
- Cooled static mixer
- Metering control of A and B component
- Colour metering 0.3 - 4% with metering valve and position indicator
- Colour feeding 0.7l pressure vessel, 10l colour feeding pump, 20l colour feeding pump with optional agitator
- Proportional colour metering
- Reciprocal feeding of two LIM units
- Varnishing in special paint
- Drum handling



◀ *metering control with flow meters and cooled static mixer*



◀ *10 l colour supply pump*



▲ *colour metering with metering valve and position indicator*

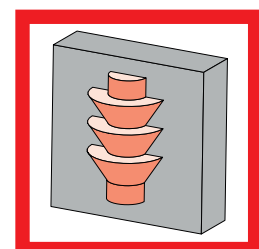


▲ *movable 20 l colour supply pump with agitator*

drum handling ▶



▲ *7" TFT-touch-screen operator panel*



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Technical Data

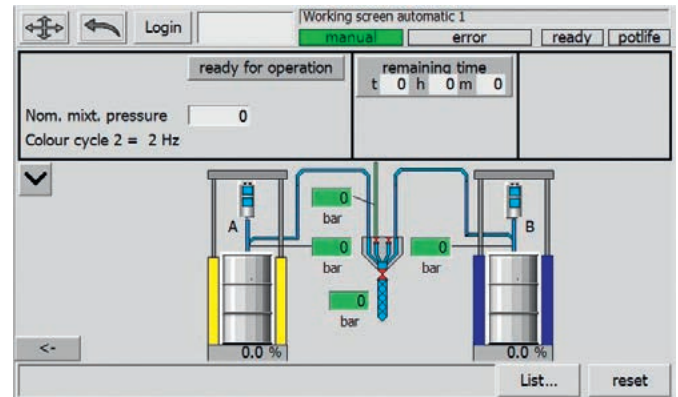
Viscosity	1.000.000 mPas
Output mixed material	800g/min (depending on viscosity)
Mixing ratio	1:1 (variable +/- 5%)
Colour metering	0,3 – 4%

Consumption / Connections

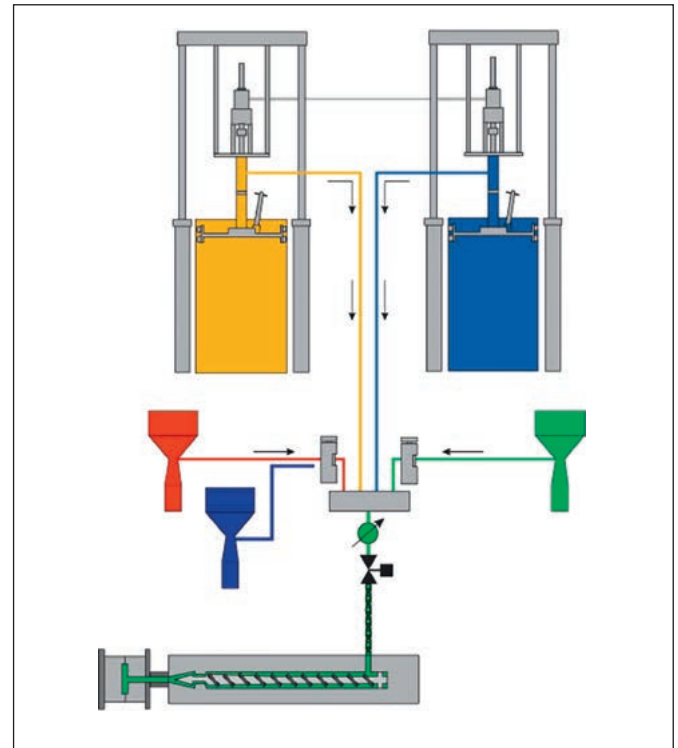
Actuation	Hybrid (hydraulic with electro-servo)
Electrical data	300 – 480V (+/- 10%), 50 – 60 Hz (3P + PE), 16A
Connection	
LIM machine	24V-
Pneumatic system	R1/4", 6bar, low
Weight	appr. 800 kg
Dimensions	1.030 x 1.950 x 1.112 mm [W x D x H] <i>(Attention: height + 950mm if pump completely lifted!)</i>

Advantages

- Pressure control of mixed material to adjust an homogenous density of LSR in the screw of the injection moulding machine.
- Potential capacity savings through totally, equal complete and constant emptying of the delivery vessels
- Integrated roll-in device with automatic barrel bottom support to reduce the residual amount of material
- Marginal space required
- Noise reduction gratitude to detachable hydraulic system and the electro-servo drive.



▲ schematic and operator display



Possible annual savings in a 3-shift operation / 365 days

Shot weight 12g, barrel change: once in 7 days

Savings: approx. 8,300.00 €/a

Shot weight 5g, barrel change: once in 4 days

Savings: approx. 18,200.00 €/a

Shot weight 50g, barrel change: once in 2 days

Savings: approx. 32,850.00 €/a

(calculation may vary due to cost of material)



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