SealLoad 3100
Sealing station

- Sorting and feeding of a wide variety of seals, precise seal application and positioning on to stripped or unstripped wires, optional quality monitor available (quality module)
- Short cycle time due to optimised process sequences and dynamics, improved production output by 20% and a 25% reduction in energy consumption
- Customised seal kits with transparent seal container and new belt feeding system for processing a broad range of different seal types (including hard-shell seals, big seals, oval seals and mini seals)
- Quick-release fittings and multi-coupling for minimal SealKit retooling times

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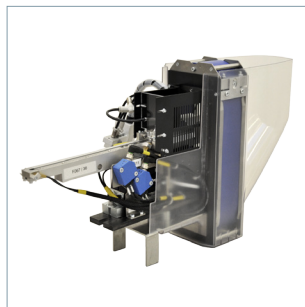
SealLoad 3100

Function

The SealLoad 3100 is an automatic seal processing station designed to fit on all fully automatic wire processing machines of the CrimpCenter family. The SL3100 applies seals either to stripped or unstripped wires. The optimised design of the SealLoad 3100 offers higher output, easier handling and shorter retooling times compared to previous Schleuniger seal applicator models. Optionally the SealCheck quality monitoring system may be initially included or easily retrofitted later. The SealLoad 3100 has its own SealKit with a new belt feeding system and transparent seal container, but at the same time remains compatible with previous kit types from Schleuniger. The belt feeder is driven by an electric motor and consumes approximately 25% less energy compared to the vacuum feeder system. The unique design of the SealLoad 3100 also allows for processing a wider range of extra-large seals without having to install additional hardware. Setup and operation is carried out through the Schleuniger Software Easy.

Options

- **SealCheck** Quality Module for optical seal presence monitoring
- **SealLevelMonitor** with warning light (sensor for monitoring the filling level of the seal container)
- **SealKit** specific to one particular seal / available for numerous seal types including hard shell seals, oval seals, big seals, mini seals
- **Retrofit kit** for SLU 3000 seal kits
- **AdapterKit** for the integration of OEM SealKits
- **Mechanical base** for CrimpCenters
- **Setting jig** for calibrating AdapterKits and checking track alignment
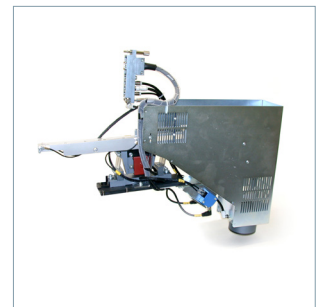- **SealCleaner 20** Device for cleaning and drying seals using a tumbler, special towels and compressed air

Wide range of seal types

SL SealKit

SL AdapterKit

SLU SealKit

Technical data	
Max. wire diameter	6.6 mm (0.25")
Seal types	Hard-shell seals, oval seals, big seals, mini seals **Note: we offer sampling services and feasibility tests!**
Seal sizes (other sizes on request)	Diameter: max.17 mm (0.66") ; Length: max. 19 mm (0.74")
Processing time	160 ms (without options)
Cycle time	approx. 750 ms (depending on wire, seal and program)
Dimensions SealLoad 3100 (W x H x L)	100 x 750 x 650 mm
Weight (basic machine without kit)	24 kg
Power supply	24 VDC, 300 W
Pneumatic supply	min. 6 bar compressed air (filtered, dry, unoiled)
Interfaces	Ethernet & I/O (24VDC)
Noise emission	< 70 db (A)
Compatibility with seal kits	SLU 3000 kits & AdapterKit
Declaration of incorporation	The SL 3100 installed on CrimpCenter fully automatic machines complies with all CE and EMC equipment guidelines relative to mechanical and electrical safety and electromagnetic compatibility.
Important notice!	Seal and wire samples are required for feasibility studies and for the final design of the seal kits.

To Be Precise.