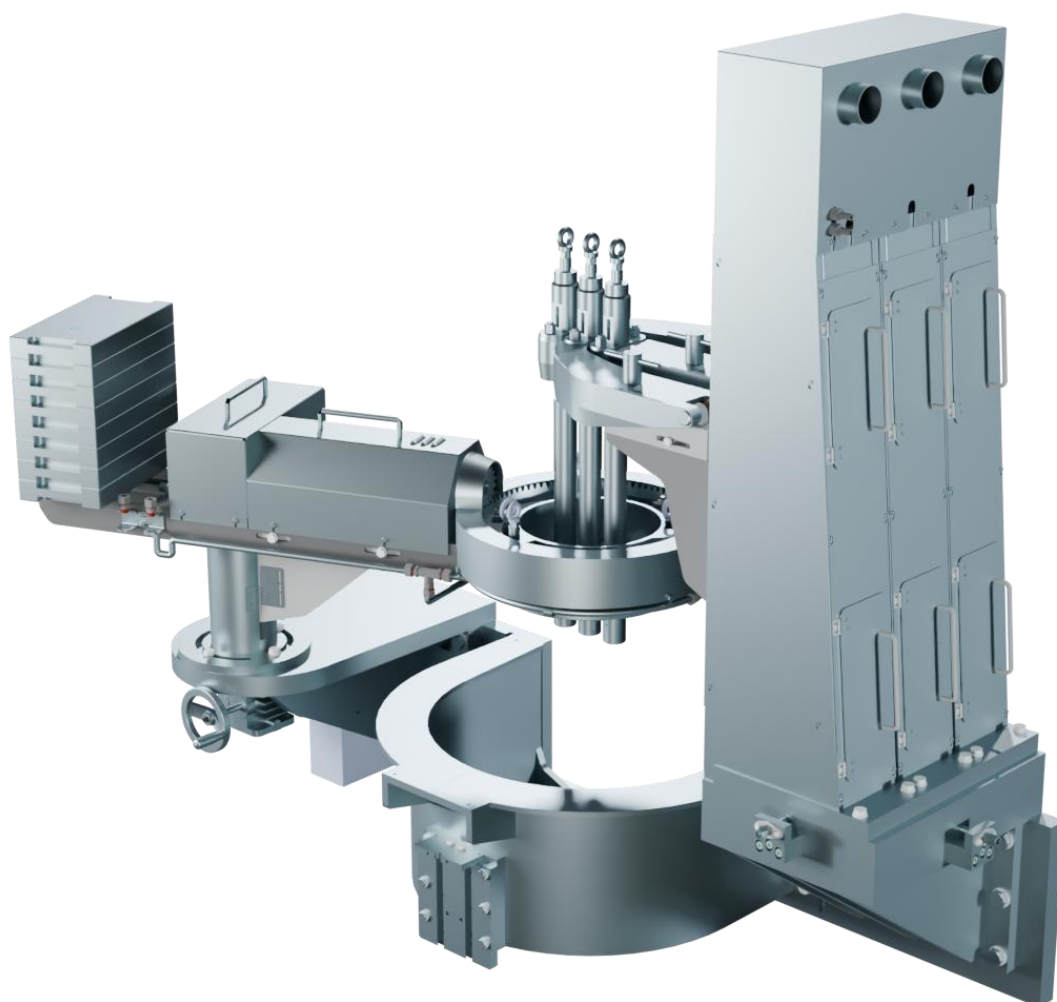


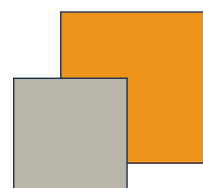
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Servo Feeder ISX

SF 25-03



OVERVIEW

A fully servo-controlled glass feeder delivers precise, repeatable gob formation through synchronized electronic motion control of the plunger, turning tube, automatic tube height adjustment, and shear mechanism. The system enhances glass conditioning stability, improves gob weight consistency, reduces mechanical wear, and enables rapid recipe changes for modern high-speed glass container production lines.

KEY FEATURES

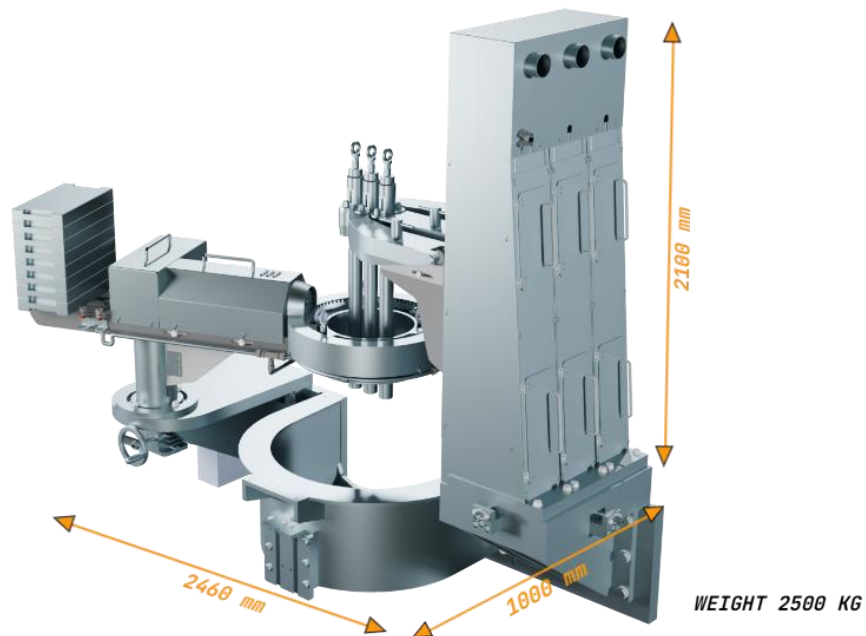
- Fully servo-driven plunger system for highly accurate gob weight and shape control
- Servo-controlled turning tube mechanism ensuring smooth glass flow and optimized gob delivery
- Automatic tube height adjustment for continuous process optimization and reduced manual intervention
- High-speed servo shear mechanism providing precise cut timing and cleaner gob separation
- Recipe-based operation with fast changeovers and repeatable production settings
- Reduced maintenance requirements through elimination of complex mechanical linkages and cams

TECHNICAL SPECS

- Plunger Drive: High-torque AC servo motor with closed-loop position control
- Turning Tube Control: Independent servo axis with programmable motion profiles
- Tube Height Adjustment: Automatic servo-controlled vertical positioning system
- Shear System: Dual-servo synchronized shear mechanism
- Control Platform: PLC and HMI integrated automation system
- Gob Weight Accuracy: $\pm 1\%$ depending on glass and process conditions
- Production Compatibility: Suitable for single, double, triple, quad, and penta gob operation
- Communication Protocols: Ethernet/IP, Profinet, Modbus TCP compatible
- Recipe Management: Multiple production recipes with automatic recall
- Operating Environment: Designed for continuous operation in high-temperature glass plant conditions
- Diagnostic Functions: Real-time monitoring, alarms, and predictive maintenance support

Description	Value / Unit
Supplier-Dimensions	all metric
Tonnes/day	depending on the project 30-220 tpd
Firing	Gas, / Electrically / Hydrogen
Electrical connection	400 Volts, 50 Hz, 3-Phase
HMI	Siemens IPC 477E 15
Control Cabinet with all Hardware and IoT	1 Set integrated with ISX or stand Al.
PLC	CPU 1514SP
Ethernet Switch	SCALANCE XC208
Panel Power Meter	Current Transformer

General distribution	Direct distribution to breakers
Control Cabinet	VX SE free-standing enclosure syst.
PLC with HMI panel & closed loop control	Yes
IEC-compliant, CE, or UL	Yes
Ambient temperature around the control cabinet	40 °C
HMI interface located within the control panel PLC	Yes
Transformer for control voltage	6EP3437-8SB00-0AY0
All alarms are displayed on the HMI	Yes
External communication: PLC/HMI with ind. Switch	Yes TCP/IP
All manuals in the English language, or, depending on request	Yes
2 Sets of Manuals in Hard copies/ 1 Set digital on USB stick	Yes
Engineering drawings, Layouts, E-Plan schematics	Yes
Training	Yes



PRODUCT PRICE INDICATION

Prices start at 180.000, - €, depending on Spout Size and Number of Gobs

CONTACT US

T&T, Turnov s.r.o.
 R&D, Project Management, Consulting
 Přepešská 1302, CZ-51101 Turnov, Czech Republic
 Tel.: +420 484 803 001, Fax: +420 484 803 015
 Homepage: www.tandt.cz
 E-Mail: info@tandt.cz