

TECHNICAL DATA

	LF 213-CI (Low)	LF 213-CI (High)	LF 313-CI	LF 413-CI
Device dimensions (L/W/H)	900 x 360 x 1300 mm	900 x 360 x 1500 mm	1300 x 360 x 1700 mm	1900 x 720 x 2100 mm
Usable alignment length	600 and 800 mm		1080 mm	1800 mm
Weight	350 kg	380 kg	600 kg	1200 kg
Part-hopper volume	approx. 1 to 4 liters	approx. 20 liters	approx. 40 liters	approx. 1200 liters
Supply rate – one way	depending on parts, up to 150 parts/min			
Noise development	up to 75 dBA			
Power supply	230 VAC 50 Hz			
Supply interfaces	230 VAC / 24VDC			
Field bus interface	EtherCAT			
Mech. vibration frequency	50 Hz			
Permissible operating pressure	0,9 - 8 bar			
Inclined high-transport	●	●	●	●
High-transport via step conveyor	●	●	●	●

● possible ● not possible

COMPLETELY INTEGRATED – by this we understand:

- » Flexible solutions – tailored to your needs
- » Mastering the IIoT (Industrial Internet of Things): Optimized technology and system integrations due to many years of experience in the production and networking of automation systems.
- » Safe processes with the best possible overall effect and lowest total costs
- » Adaptive, subsequent production: Based on the pre-production processes and according to the situational requirements
- » Comprehensive standardization – high scalability



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FEEDING SYSTEMS

COMPACT FEEDING TECHNOLOGY LF-CI

Adaptive – Versatile – Intelligent

STIWA MECHATRONIC SYSTEMS – YOUR PARTNER FOR OPTIMIZED PRODUCTION

As a leading manufacturer of automation technology, we have been providing products, projects and services for many years, thereby enabling optimized technology integrations with the best possible overall effect. Through the targeted interaction of mechanics, software and electronics, we achieve production solutions that guarantee the greatest

possible flexibility, standardization, and safety. Our approach is all about “cooperative growth”, meaning we are there every step of the way along our client’s value added chain. No matter whether you need, supply, handling, transportation or complete systems, STIWA is your partner for mechatronic special solutions!

OUR SOLUTION

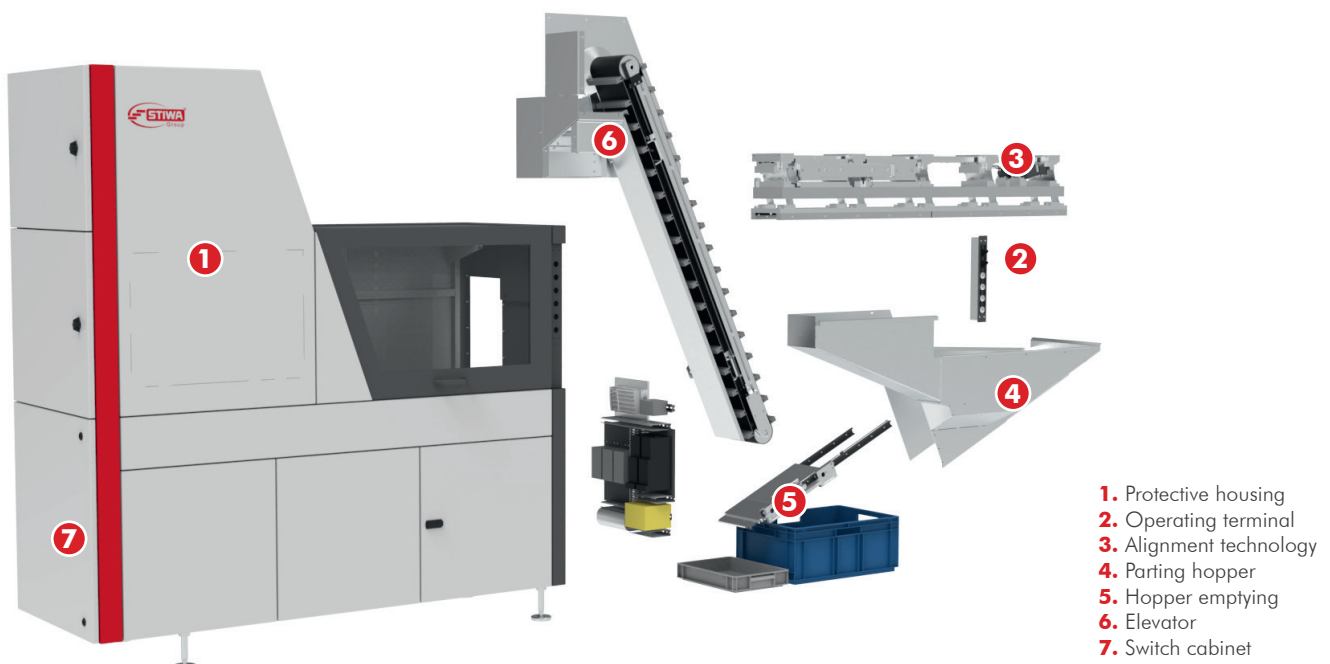
Stable feeding processes are a basic part of modern production and automation systems, particularly in areas of industrial production. With the STIWA compact feeding solutions we’re going to meet the expectations of the High Performance Automation and guarantee a precise scaling of your producti-

on. Through this, the standardized feedings establish the optimal interface for bringing in parts in terms of set up and cycle times. Our comprehensive know-how comes from decades of experience in the field of feeding technology and the continuous further development of our own components.

MECHANICAL STRUCTURE

A STIWA compact feeder includes a vibration-optimized alignment technology as well as basic structure, a parts hopper incl. rapid emptying, a high-level conveyor and an integrated switch cabinet as well as operating terminal.

The bulk parts are filled into the parts hopper from the side, and the pred-dosed product parts, reach the alignment system via the elevated conveyor and are fed into a buffer in the correct position.



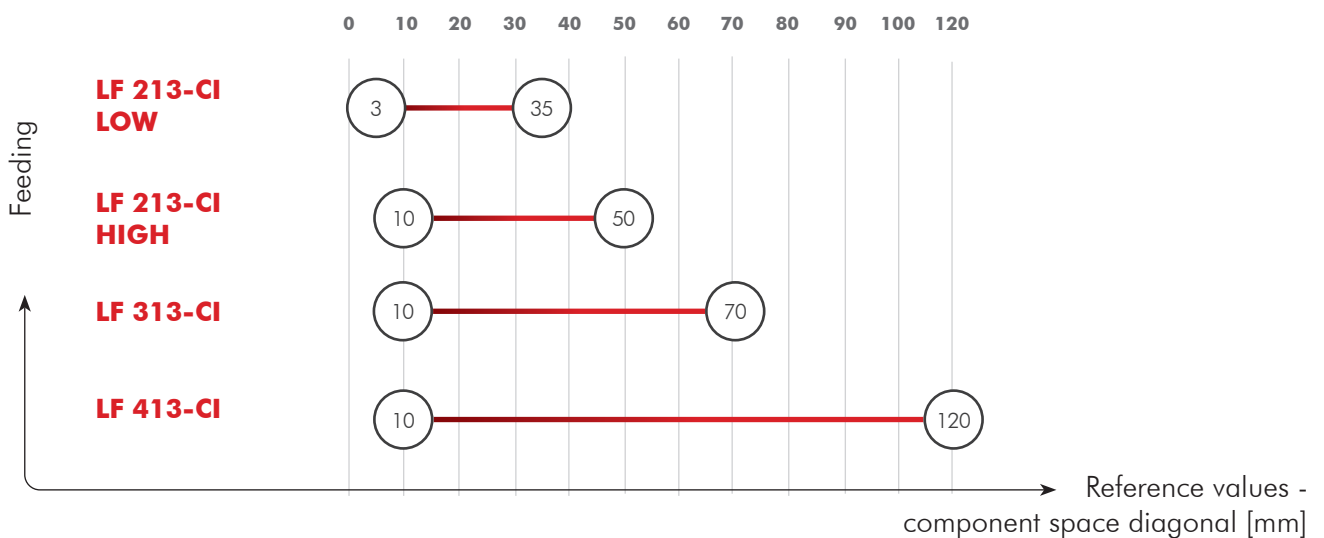
INTELLIGENT MEANS OF PRODUCTION

STIWA compact feedings work in a high performance range. Cycle times of up to 0.5 seconds are realized and component space diagonals of ~5 to ~120 mm are covered.



» We offer individually adapted feeding solutions for your specific requirements!

Overview components spectrum



BENEFITS

- » **Modern industrial design**
- » **Operation:** from LF 213-CI to LF 413-CI, all versions are based on a uniform operating concept
- » **Quality:** all the used materials meet the highest quality requirements, all areas that come into contact with the product are made out of stainless steel
- » **Set-up Times:** all models are accordingly equipped for the shortest possible set-up times:
 - » Quick-change devices for adjustment tracks
 - » Parting hopper quick emptying

OBJECTIVES & IMPACT

- » **Quality:** reliable part supply with high accuracy for continuous production
- » **Connection:** The integration into intelligent resources with communication and interface packages allows for optimized control. Long-term availability of data is guaranteed through transfer to a central system.
- » **Analysis:** product optimization by combining operating status of the machine and data for the processes
- » **Ergonomics:** low vibration and noise generation