

LCS Roller Compactor

Low-Volume Benchtop System For R&D & Trial Batch Production



Scalable benchtop, high-performance dry granulation from the most trusted name in roller compaction technology for more than 70 years.

Introducing the world's most advanced low volume benchtop system for R&D and trial batch production.

The Fitzpatrick LCS:

- Ideal for proof-of-concept work or for smallest volume production
- Manufactured with Fitzpatrick high-precision, twin-feed screw system
- 20 kN/cm roll pressure equivalent to production-scale systems
- Complete disassembly of all contact parts to enable thorough cleaning that is quick & easy
- Touchpad control of all independent feed & compaction variables
- Consistent compaction mechanism ensures easy scale-up to larger production machines
- Design optionally available for containment systems
- cGMP software option
- Choice of roll surfaces

Fitzpatrick offers two roller styles for maximum flexibility



Fitzpatrick's LCS processes powders in the same way as larger production-scale systems. This ensures your development projects can progress to production with confidence.

LCS – LAB COMPACTION SYSTEM

TECHNICAL DATA



PERFORMANCE	Dimensions WDH mm	690 x 668 x 641
	Dimensions WDH in	(27 x 26 x 25)
	Weight kg/ (lbs)	159 (350)
	Capacity min g	10
	Capacity kg/hr	6
	kN/cm, (Lbf/in)	20 (11,420)
	Roll speed RPM	1-4
	Roll Size mm	15 x 120
	Surface area cm ²	283
	Roll Gap mm	0.4 to 2.6
	HFS speed RPM	0 - 40
VFS speed RPM	0 - 400	

**Capacity is dependent upon material properties and process objectives.*

