

# LCS

## LAB COMPACTION SYSTEM



Scalable Benchtop  
Dry Granulation

**FITZPATRICK**

# FITZPATRICK 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.

### 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 force equivalent to production-scale systems
- Complete disassembly of all contact parts enables 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
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- cGMP software option
- Choice of roll surfaces

Fitzpatrick is committed to improving the performance and profitability of our customers' powder processing operations.

We continually invest in customer-driven innovative solutions and provide long-term global support via our highly technical customer service and spare parts network.

**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.**

Fitzpatrick offers multiple roller styles for maximum flexibility.



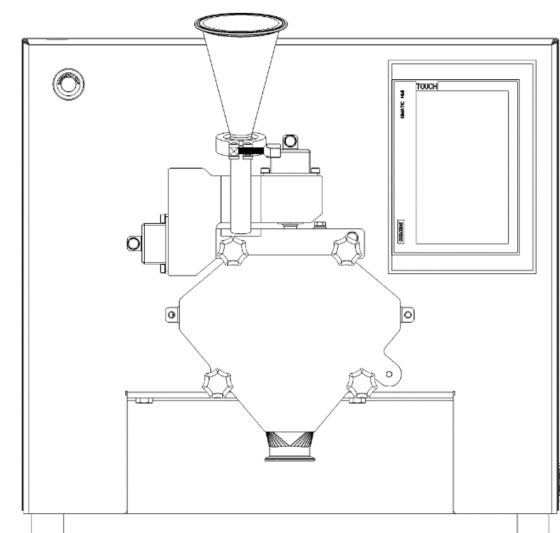
## TECHNICAL DATA



<b>Dimensions W x D x H*</b>	mm (in)	690 x 668 x 641 (27 x 26 x 25)
<b>Weight</b>	kg (lb)	159 (350)
<b>Capacity**</b>	Min g	10
	kg / hr	6
<b>Performance</b>	kN / cm (Lbf / in)	20 (11,420)
	Roll Size cm	1.5 x 12
	Roll Speed RPM	0.5 – 4
	Roll Surface Area cm <sup>2</sup>	57
	Roll Gap mm	0.4 – 2.6
	HFS Speed RPM	Up to 60
	VFS Speed RPM	Up to 400

\* Machine dimensions are approximate.

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



# FITZPATRICK WORLD-LEADING EXPERTISE AND SUPPORT



At Fitzpatrick we are committed to improving the performance and profitability of our customer's powder processing operations.

Our customers are supported by world-leading applications and development experts, and we continually invest in customer-driven innovative solutions to address market needs.

We are committed to offering long-term support services through a highly-technical customer service and spare parts network team.

Discover and experience the Fitzpatrick difference!

● Headquarters

● IDEX MPT Centers of Excellence

Representation in over 80 countries worldwide

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LCS 08/21



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