

# 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 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 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 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
- cGMP software option
- Choice of roll surfaces

**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.



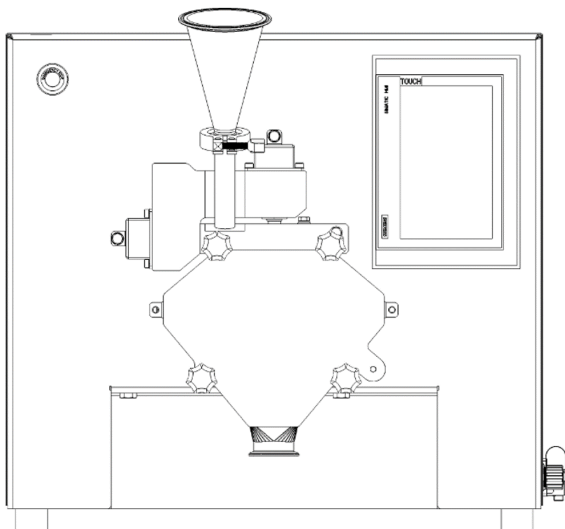
# TECHNICAL DATA



<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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