

# 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 force 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 <sup>2</sup> | 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.*

