



Metropolitan Computing Corporation

Powder Compaction Solutions

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New Product Announcement **Parcus** (from Latin: "sparing, economical") a patented Material Sparing Device

Add a "single tablet compaction on demand" capability to any rotary tablet press

Parcus is a unique device to permit (at any speed, without loss of powder) to:

- make individual tablets from any one of the punches
- make one revolution worth of tablets
- make no tablets
- make all tablets in a regular way from all punches
- make a few tablets to set up the press
- start and stop the press with no tablets made and no loss of powder

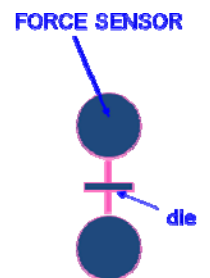
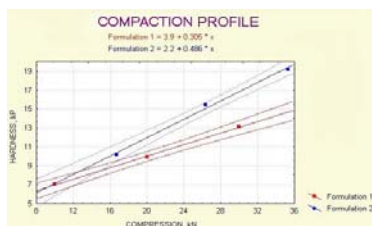
Benefits for production

- No waste during press setup
- No waste during starts and stops
- Increase yields
- Lower tableting cost

Benefits for R&D

when a very small amount of powder is available, make any number of tablets at any speed and optionally measure all tableting parameters for individual tablets.

For scientific plots, we can install R&D Grade Force Sensor for Compression Measurement on a compression pin. You will be able to make compaction studies on production-size press without loss of powder.



Using our Scale-Up Calculator interface, you will be able to compare and match consolidation, dwell and contact time for different tablet presses. You can then set up your Parcus-enabled press to match the compaction times of another press to simulate the compaction events.

MCC TABLETING CALCULATOR GRANULATION CALCULATOR QUIT

Formulation	Speed	Time	Thickness	Force	Efficiency
1	100,000	1.0	10.0	10.0	1.0
2	46.3	2.2	6.5	6.5	0.215
3	76.2	3.9	13.8	13.8	0.215