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## New Product Announcement



**Parcus** (from Latin: "Sparing, thrifty, economical, moderate")

### Material Sparing Delivery Device (patent pending)

- Make one (or many) tablets on demand on any rotary press
- Adjust speed to match dwell / consolidation time of any other press
- Measure in-die thickness for Heckel analysis and elastic recovery

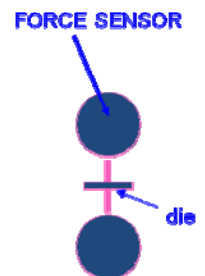
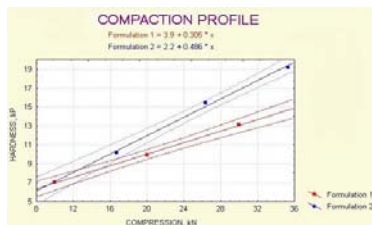
Save powder while setting up clinical or production batches!  
 Convert any rotary tablet press into a Compaction Simulator!

Parcus consists of 3 subsystems:

1. A unique device to permit (on command, at any speed, without loss of powder) to:
  - make individual tablets, one per revolution, from one of the punches
  - make batches of specified size from one or multiple punches
  - continuous tableting in a regular way from multiple punches
  - start and stop the press with no tablets and no loss of powder
  - standby mode: idle turret rotation with no tablets made (powder in the feed frame, ready for the next command)
2. A computerized speed control of a press designed to simulate consolidation and dwell time of any other tablet press (using the principles of our Scale-Up Calculator)
3. A unique system of measuring in-die tablet thickness on a rotary tablet press. In conjunction with accurate force measurement, this subsystem will allow generation of scientific plots (Heckel analysis, elastic recovery, work of compaction) for a single tablet made on a high-speed press.

Each subsystem can be installed separately.

For scientific plots, we 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.

