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Courtoy MODUL™ tablet press now with G-ECM for Formulation Development and Clinical Trials Production

The 'Galenic' exchangeable compression module (G-ECM) has been part of the MODUL™ product range since 2002. The G-ECM is designed specifically to process small quantities of powder and will find its use in formulation development and clinical trials production.

MODUL tablet presses are designed with the unique ECM (exchangeable compression module) that allows product changeover to take place in a matter of minutes and offers a higher level of containment compared to other modern tablet presses. The ECM contains all product contact parts and can be removed from the machine in a contained way. The removed ECM can be washed offline while production is resumed with the second ECM. The extremely short change-over time when two ECMs are used results in incomparable productivity of the tablet production line.

The design of the G-ECM is very flexible allowing the customer to choose the number of punch positions on the turret, or even a combination of D, B and BB punch positions on the same turret. The containment level and cleaning method may be customised.

The G-ECM features a modified powder feeding system to reduce powder losses to an absolute minimum. There is no powder recirculation and dust extraction is eliminated. In case of very small

quantities, screw-on containers can be used for both powder feeding and tablet collection to guarantee containment.

The G-ECM can be replaced with a standard ECM to return the MODUL to full-scale production.

This latest addition to the MODUL range provides the following benefits for development applications:

- Production of very small batches (down to 1kg)
- Protection of both operator and product
- Prevention of cross-contamination
- Contained powder in-feed and tablet collection
- Contained tablet sampling during production
- Full scale-up capability without the need to change compression parameters
- No manual intervention during the process
- Optimised ergonomics
- Full data gathering for analysis

The main advantage of the G-ECM concept is the elimination of scale-up work. Indeed, all mechanical characteristics of the compression cycle (slope and length of cam tracks, size of compression rollers, etc.) are identical between the development G-ECM and the production ECM. Moreover, all product recipe parameters, which are optimised with the G-ECM, are stored in the MODUL™'s MC4 control system and thus immediately available when the production ECM is installed in the machine for full-scale production. With the G-ECM, scale-up is extremely easy.

The G-ECM is an important new product, further enhancing the MODUL's exceptional flexibility and reputation for high productivity, extremely fast change-over, high containment and now Research and Development.

For further details on the G-ECM visit www.courtoy.be, or send your inquiries to Veerle.Chiau@courtoy.be .

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