



BCC is your ultimate and complete partner for paper based growing systems. We develop, produce, deliver, install and service customized complete solutions or standardized machines for growing all type of crops in the FiberCell system worldwide.



FIBERCELL

FULLY AUTOMATIC MULTI-ROW FIBERCELL FILLING MACHINE

The Fully Automatic Multi-Row FiberCell Filling Machine is a vertical feeding unit and used for filling and placing of the FiberCells. This filler is the preferred choice for large scale automated nurseries with adequate technical expertise. The production capacity is up to 34 000 cells/hour for the Multi-Row with 16 rows. Our Multi-row fillers are designed, based on the configuration of the holder used. The number of lines will be determined by the number of rows in the holder.

The filler has all the main functions including paper roll feeding, heat gluing, media filling, cell cutting and cell placing. Filling of media is done through vacuum which is adjustable to determine compaction of media in the FiberCells. The vacuum system is accessible for maintenance. The cell length is adjustable and the cells are automatically placed into the holders.

The filling machine also has a integrated peat recycling system. This system is, however, optional.

The filler is also equipped with a communication module which allows remote access to the unit for back-up support. The fully automatic multi-row is fully compatible with and integrated into BCC production lines for sowing or cutting setting.

Cutting knives are made from high quality hardened steel for longer life and can be resharpened. The cutting knife exchange frame is easy to remove and replace with a sharpened unit.

Operating speed is dependent on tray and FiberCell size, max speed of 1.7 - 2 seconds per cycle.

The paper magazine tower is fully enclosed to protect paper from the environment (optional).



TECHNICAL SPECIFICATIONS

Up to 16-rows	
L x W x H (m)	6,1 x 4,2 x 4,7 (with platform) 4,0 x 2,2 x 4,7 (without platform)
Hopper capacity (liters)	150
Cell diameter (mm) Length (mm)	Ø20-80 40 – 120
Production capacity (cells/hour)	up to 34 000 cells/h (Applies for 16-Rows)
Standard power supply, V/Hz/Amps	3x400V/25A 50/60Hz
Power requirement, kW	10
Compressed Air Consumption, liter/min	1300
Air pressure, Bar	6

