

drupa 2012に見るJDF連携事例-1

KBA & Muller Maltini

CIP4 CIPPI Awards 審査委員

社団法人日本印刷技術協会 客員研究員

株式会社プリンテクノ 代表取締役

木村 哲雄

KBA RotaJET 76



- Performance data

- Maximum web speed 500 ft/min (150 m/min)
- Web width 300 - 781 mm (11.8 – 30.74 in)
- Print width 300 - 781 mm (11.8 – 30.74 in)
- Cut-off length variable
- Print volume approx. 3,000 A4 pages/min
approx. 85 million A4 pages/month

- Web lead

- KBA unwinder maximum reel diameter 1270 mm (50in)
automatic webbing up
automatic web-tension control

- Printing heads
 - Technology piezo DoD with automatic printhead alignment
 - Print resolution 600 dpi native, quality enhanced by 2-bit multilevel variable droplet size
 - Quantity 56 printheads per array; 112 in total
 - Alignment automatic (stitching)
- Inks water-based pigment inks
- Dryer compact, energy-saving infrared dryer combined with warm airflow on web

- Workflow/communication
 - Adobe PDF Print Engine (APPE)
 - JDF standard for intersystem communication (post-press)
 - Third-party systems Integration (post-press)
- Consumption
 - Electricity 100 KW (typical 4/4 production run)
 - Compressed air connected load 50 l/min (13 gall/min) at 7 bar (no continuous air consumption)
 - Cooling water cooling capacity 20KW
 - Exhaust air 2,500 m³/h (88,285 ft³/h) (no after-treatment of exhaust air required)

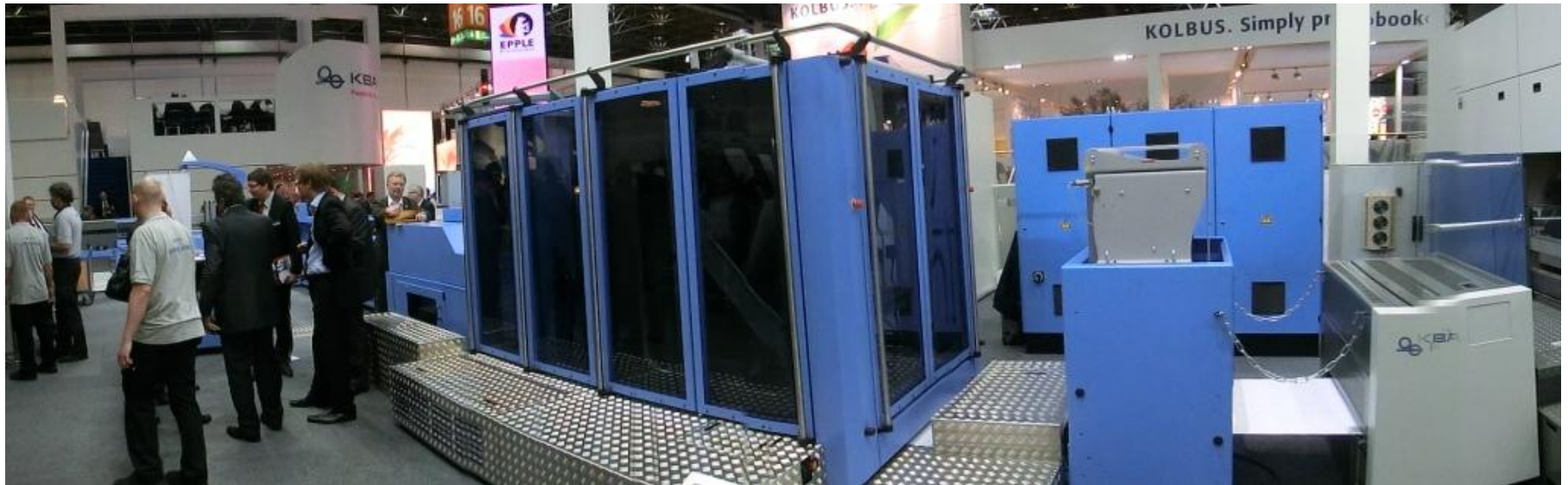
- Dimensions
 - Length / Breadth / Height : 9,600 mm/ 3,900 mm/ 3,350 mm
(22 ft 9 in/ 12 ft 9 in/ 11ft 5 in)
(standard 4/4, without rewinder or finishing)
 - Weight : approx. 22,000 kg (24.2 US tons)
- Options
 - Paper logistics automatic reelstand with link to KBA
Patras reel-logistic system
 - Coater aqueous coater
 - Remoistener

From RotaJET76 to Finishing system

PrinTechno

Muller Maltini Finishing system

RotaJET76



Mullar Maltini Bookbinding System

PrinTechno



PrinTechno Confidential

The JDF-compliant software for the RotaJET enables simple connectivity between pre-press, press and post-press, thus considerably enhancing integration options.

- KBA Press Releaseより



Muller Matini CONNEX 接続を説明するパネル