



Paragon Harmony Software

Digital Front End (DFE)

Rainbow
Computer
Technology at
a Glance



Equipment

Printers
Inserters
Pre / Post



Service

Preventative
Maintenance
Professional Services



Parts

Engines Belts Rollers
Print Heads Fingers
Filters Springs



Consumables

Ink / Pigment
Toner
Developer

Central Point of Control

Harmony's DFE system puts the operator in control. In one central location, all information, input data and actions are collected in one convenient user interface. It looks the same for single imprinting printheads, full width presses, CMYK presses or even Print-to-Object individualized machines.

Hardware Platform

PowerEdge640 Server
CPU: Intel Xeon Silver 4214R, RAM: 64 GB RDIMM, 2933 MT/s
OS: Windows Server 2019
Resistive Touchscreen
24" Wide LCD TFT – 16:9 (Full HD) 1920-1080
Mouse/Keyboard integrated into machine cover

MMI (Man-Machine Interface)

Single Screen operation for machine and job management
Easy to use, touch friendly
Global Graphics Harlequin Host Renderer v12, single instance
Harlequin Parallel Pages™, for faster job processing (*optional*)
Harlequin Scalable RIP for processing multiple jobs at the same time (*optional*)
Advanced Inkjet Screens™
Extensive font substitution and emulation capabilities
Automatic mono/color & simplex/duplex depending on selected Print Heads to use

Data Formats

PDF (including ISO 32000-1 and ISO 32000-2 PDF 2.0)
PDF/X-1a, PDF/X-3, PDF/X-4 & 4p PDF/X-5g & 5pg
PDF/VT-1, PDF/VT-2

Job Management

Hot folder job submission
Intuitive job sorting
Sequential print

Color Management

ICC based, v2 and v4 support
Selectable rendering intents
Black point compensation
Independent Ink Limits for CMYK
Linearization
Selectable target profiles
Ink Estimation