

Heidelberg – Herkules DataSheet

Herkules Pro

Herkules Pro is a imagesetter of highest class. Maximum size of film assembly 750 x 558 mm suits for use with any printing machine of 4xA4 format (Speedmaster 74 for example), including all marks and control scales. It is possible to use any known registration holes system (Stoesser, Bacher, Grapho metronic) as well as custom system with user-defined of registration holes configuration.



Main features of Herkules Pro that made it one of the most popular imagesetter of the world are following: exposure of films, photopaper and polyester plates with thickness up to 0.2 mm, high speed of exposure – more than 30 full formats per hour, maximum resolution of 5080 dpi, minimum size of laser spot 7.5 microns, very high repeatability of 5 microns at 8 film assemblies outputted in series and at that it has high reliability and simple service.

Herkules Elite

Herkules Elite is a imagesetter of highest class and it is further development of most popular phototypesetting machine in the world - Herkules Pro. Maximum size of film assembly 750 x 558 mm suits for use with any printing machine of 4xA4 format (Speedmaster 74 for example), including all marks and control scales. It is possible to use any known registration holes system (Stoesser, Bacher, Grapho metronic), as well as custom system with user-defined of registration holes configuration.



Main features of this device are following: exposure of films, photopaper and polyester plates with thickness up to 0.3 mm, high speed of exposure – more than 50 full formats per hour (speed of mirror rotation equals to 43 000 rpm), maximum resolution of 5080 dpi, very high repetition of 5 microns at 8 film assemblies outputted in series and at that it has high reliability and simple service.

Herkules Basic

Herkules Basic is little bit simplified and accordingly cheaper type of a phototypesetting machine of highest class - Herkules Elite. But even this simplified design of device allows it to output highest quality production.



Specifications

Herkules Pro

- High speed drum-type phototypesetting machine
- Maximum format: 750x558 mm
- Maximum resolution: 5080 dpi
- Maximum lineature: 305 lpi
- Maximum size of laser spot: 7.5 microns
- Laser type: laser diode 670 nm
- Productivity: more than 30 full format film assemblies or printing plates per hour
- Repeatability: +/- 5 microns at eight plates or assemblies of maximum format outputted in series
- Register system: any standard or custom for film or printing plates
- Material: photofilm or polyester with thickness up to 0.2 mm
- Raster Image Processor: Delta Technology, MetaDimension.
- Variations: output to polyester, registration by Bacher, online developing processor

Herkules Elite

- Type of device: internal drum design
- Light source: semiconductor laser diode 670-680 nm
- Minimum size of laser spot: 7.5 microns
- Exposure format: 750x558 mm
- Maximum resolution: 5080 dpi
- Speed of output: 42.9 cm/min at resolution of 2540 dpi Maximum screen lineature: 120 lines/cm (305 lines/inch) without loss of grey levels
- Repeatability: +/- 5 microns at eight plates or assemblies outputted in series
- Type of material: photofilm in rolls with width from 280 up to 762 mm
- Capacity of input cassette: 60 m of film with thickness of 0.1 mm
- Capacity of takeup cassette: up to 20 m of film with thickness of 0.1 mm
- Variations: polyester output, registration by Bacher, online developing processor

Herkules Basic

- Type of device: internal drum design
- Light source: semiconductor laser diode 670-680 nm
- Size of laser spot: fixed, 20 and 30 microns
- Exposure format: 750x558 mm
- Maximum resolution: 3387 dpi
- Speed of output: 32.2 cm/min at resolution of 2540 dpi
- Maximum screen lineature: 80 lines/cm (215 lines/inch) without loss of grey levels
- Repeatability: +/- 5 microns at eight plates or assemblies outputted in series
- Type of material: photofilm in rolls with width from 280 up to 762 mm
- Capacity of input cassette: 60 m of film with thickness of 0.1 mm
- Capacity of takeup cassette: up to 20 m of film with thickness of 0.1 mm
- Variations: polyester output, registration by Bacher, online developing processor