

Technical Data

Technology	Newest generation of Piezo-DOD-printheads (100 mm print width each and 600 dpi each)
Substrate width	max. 220 mm (other widths upon request)
Print speed	0-100 m/min

Printer Variations

ITS 600-1	-50 m/min, full color (CMYK), 100 mm print width, 600 dpi physical and 1800 dpi optical resolution
ITS 600-2	-50 m/min, full color (CMYK), 200 mm print width, 600 dpi physical and 1800 dpi optical resolution
ITS 1200-1	-50 m/min, 2 x Spot-color, 100 mm print width, 1200 dpi physical and 3600 dpi optical resolution
ITS 1200-2	-50 m/min, 2 x Spot-color, 200 mm print width, 1200 dpi physical and 3600 dpi optical resolution
ITS 600-S1	-100 m/min, 2 x Spot-color, 100 mm print width, 600 dpi physical and 1800 dpi optical resolution
ITS 600-S2	-100 m/min, 2 x Spot-color, 200 mm print width, 600 dpi physical and 1800 dpi optical resolution

Print Colors	up to 4 Spot-colors or CMYK, UV cured, high economic ink (very low ink layer) up to 6 colors (Hexachrome) possible
Fusing	cooling air free LED-UV modul for heat sensitive substrates or conventional UV tubes
Substrate	wide range of: paper, plastics, foils incl. self-adhesive label material
Operator Panel	big sized and customer friendly 15" touch screen panel
Power Supply	400 V, 3/Ph, AC, 50 – 60 Hz; at 100 mm print width and 30 m/min – max. 7 kW; at 50 m/min max. 13 kW compressed air 6-8 bar, (10 l/min), cooling water 3 l/min (without cooling air)
Footprint	1650 mm x 985 mm

Data Interface	USB 2.0, Ethernet
Data Format	pdf, eps (other formats on request)
Workflow	user friendly, job based manager of variables and product specific data as well as serialized/randomized and customer-specific information
Color Management	professional RIP-Software for full colors incl. substrate-specific ICC-profiles
21 CFR Part 11 compatibility	Option
Codes	all established barcodes and 2D-codes
Job Management	SCADA-System or at the big sized 15" touch screen panel

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WORLD OF DIGITAL PRINTING



ITS 600

FULL COLOR DIGITAL PRINTING SYSTEM

CSAT GMBH

DAIMLERSTRASSE 32, 76344 EGGENSTEIN-LEOPOLDSHAFEN
FON: +49 721 - 97315-0, FAX: +49 721 - 97315-99, SALES@CSAT.DE

WWW.CSAT.DE

CSAT AMERICA, LLC

1721 BOXELDER STREET, SUITE 104, P.O. BOX 270580, LOUISVILLE, CO 80027
FON: 866-606-2137, 303-666-9993, FAX: 303 666-1221, INFO@CSATAMERICA.COM

WWW.CSATAMERICA.COM

CSAT[®]
Digital Industrial Printing Technology

NO LIMITS IN PRINTING

... on all flexible packaging materials



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The latest DOD-Technology serving the Packaging Industry

Print quality and reliability of a DOD system are essentially governed by the design of the print modules – using fewer individual printheads assures reliability.

CSAT consequently adheres to these rules and USES ONLY 4 print-heads to print 100 mm wide in full color – at 100 m/min and up to 3600 dpi resolution.

The ITS 600 DOD system is the fastest high-definition inline/offline printing system of its kind.

In inline-application it is essential that the start/stop operation takes place in seconds without loss of and maintaining image quality during the automatic speed adaptation from 0-100 m/min.

To avoid unscheduled downtimes fully automated printhead cleaning takes place only when the printer is stopped for longer time.

Technical data in short form (see details on the back side):

- printing width up to 200 mm
- speeds up to 100 m/min
- resolution up to 3600 dpi
- full color (CMYK) or spot color
- reel to reel print or integrated in the production line (inline)
- manufactured in GMP Design

CSAT - THE WORLD MARKET LEADER IN DIGITAL INLINE PRINTING

“Forget spot colors and rely on the flexibility of a full color printer” ...

... Our professional layout program CSAT-TASC reads your electronic master copy and creates a **CMYK** master copy. Within seconds this copy is downloaded into the **full-color printer ITS 600**, where the printing process is started immediately – true to original, easy and efficient.

Neither long waiting periods for virgin material nor the hence ensuing costs will ever be a worry for you again. The inline- and offline-**ITS 600** enables you to stock just as much material as you need. Your stock as well as your costs will dwindle to a minimum, because from now on, printing will be performed on the most inexpensive blank substrate which, because of standardisation can be acquired cheaply.

With more than 22 years of experience in the packaging industry as a digital global market leader CSAT continues to use our knowledge and develop printing systems that are reliable and efficient.

Our latest release the **ITS 600** is built on the platform of our well known **DTS 1200** which is considered the best digital industrial printing system in the pharmaceutical industry. Its reliability and efficiency will satisfy

your highest demands on the quality of pre-printed material. Moreover, you will be inspired by the reduction of expenses and your newly-gained flexibility.

The **ITS 600** is similar to the **DTS 1200** in terms of layout treatment, software, operation and efficiency. The **ITS 600** will convince you with its output of **6000 meters** of high-quality-printed material per hour and its incredible variety of production solutions from mass production to small-scale production while printing on a broad range of substrates such as **labels, paper, plastic, foil and film**.

Thanks to its gray scales, the professional RIP-software provides you with an excellent image quality of up to 3600 dpi.



ITS 600