Krause Smart ’n’ Easy CTP Line



- **Smart ’n’ Easy Net** – Industrial newspaper workflow
- **Smart ’n’ Easy Jet** – Exposing
- **Smart ’n’ Easy Jet Auto** – Exposing
- **Smart ’n’ Easy Fin** – Processing
- **Smart ’n’ Easy Ben** – Punch Bending

KRAUSE

Quality builds trust.

Smart ’n’ Easy System – simply plug and play

The Smart’n’Easy line is the new generation community newspaper system. This innovative CTP line is designed as an integrated system with optimal interfaces to allow an easy transition to CTP for regional newspapers. Easy installation and operation, extremely space-saving and reliable like the big ones.

Constructed for semi-commercial and newspaper production, the Smart’n’ Easy line is offered with a workflow, manual or automatic platesetter, processor and punch bending. All components are optically integrated with the same machine design without compromises of the workflow functionalities. The optional 1-in-1 or 2-in-1 configuration enables flexible setup possibilities, as well as backup and double production solutions with an output of up to 100 plates per hour per platesetter. With superior quality at an excellent price/performance ratio, the Smart’n’Easy line sets new standards in this market segment.

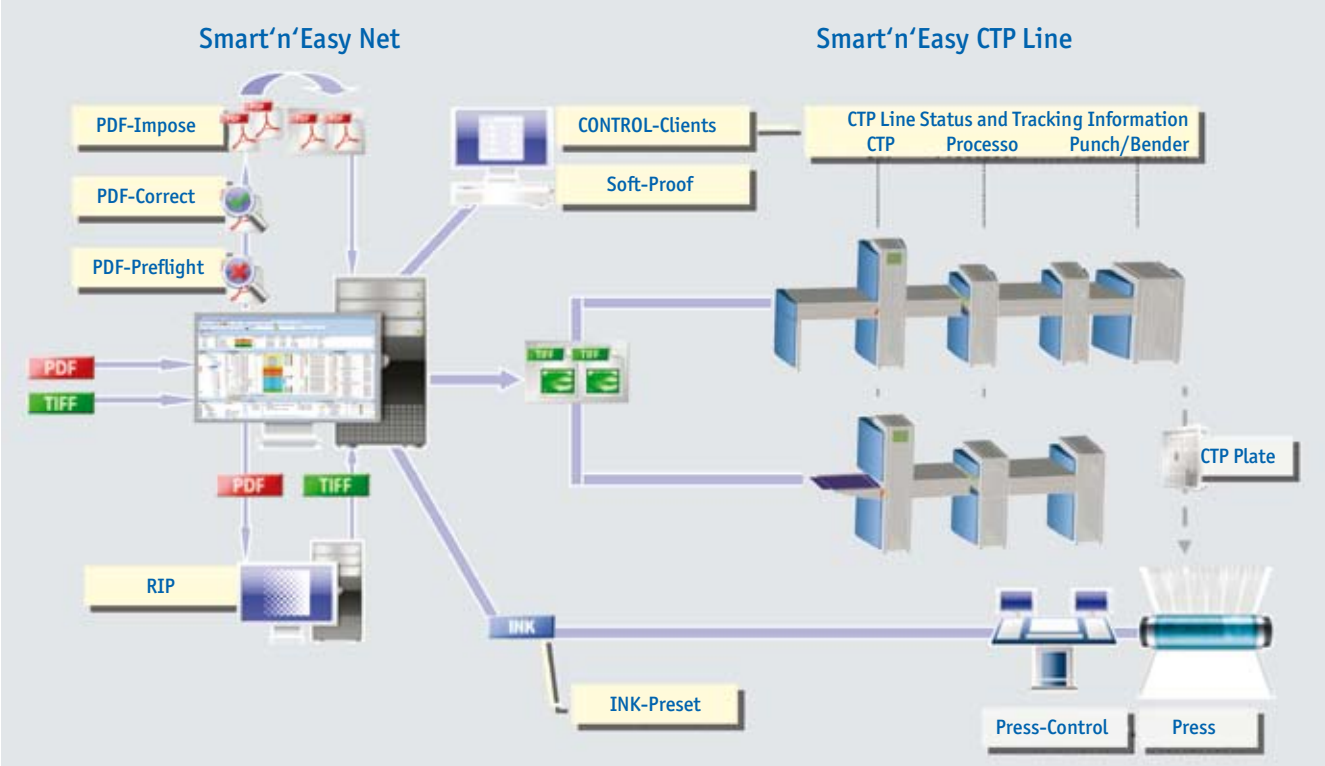
- New generation CTP system for regional newspapers and commercial productions:
  workflow, platesetter, processor and punch bender
- Up to 100 plates per hour
- Common design plus optimized and integrated interfaces
- Easy installation and operation
- Best technical solution and best price/performance ratio in its segment

Smart ’n’ Easy Net – the software that has everything under control



Smart’n’Easy Net is a workflow, which controls the complete production, starting at the PDF file handling to the point of exposing. With up to 200 exposed images per hour, two Smart’n’Easy Jet can be operated at the same time with maximum speed.

- Central management of PDF and TIFF pages
- Automatic quality control of PDF data with Preflight and Correct
- Output of PDF files to RIPs
- Optical quality control of PDF and TIFF files with Softproof and Release System
- Decentral production control within the customer network



TECHNICAL DATA	SMART’N’EASY NET SOLUTION	CUSTOMER ADVANTAGE
PDF management	PDF-Manager	Central saving of data, RIP monitoring
PDF check	PDF-Preflight	PDF-Preflight according to customer specifications
PDF optimization	PDF-Correct	Error correction with display of jobs
Imposition	PDF-Impose	Manual or automatic imposition of single pages
TIFF management	TIFF-Manager	Managing of up to 200 TIFF files per hour (up to 2 Smart’n’Easy Jet)
TIFF pairing	TIFF-Pair	Automatic pairing of max. four tabloid pages
Operation	CONTROL-Clients (3 inclusive)	Visualization of production process on multiple PCs
Hardware	Standard Dell PC, pre-configured	Fast start-up and training
Optional modules	INK-Preset	Calculation of ink coverage values (ZIP3)

Smart 'n' Easy Jet – not only optically a smart solution

The Smart'n'Easy Jet is the platesetter and therefore the core of the Smart'n'Easy line. Equipped with components from the Krause high performance violet platesetters, it sets new standards in its segment. As with flatbed CTP with Krause Monogon Juwel-Optics, the Smart'n' Easy stands for brilliant exposing quality, reliable platehandling and secures an easy project management and economic production.

- Up to 100 printing plates per hour with violet diode
- Semi or fully automatic (with upgradeable loader)
- Compatible with future violet plate technologies
- Central control of entire line through platesetter



Smart 'n' Easy Jet Auto

TECHNICAL DATA	SMART 'N' EASY JET SOLUTION	CUSTOMER ADVANTAGE
Data-Interface	NetLink	Easy integration into any TIFF-network
NetLink	Open network-interface for 1-Bit-TIFFs	All machine setups, like resolution, laserpower, plate or imaging size, exposing speed will be changed automatically
Exposing system	Violet flatbed with Krause Monogon Juwel-Optics	Highest quality due to small spot size
Lasertype	Violet laser diode 405 nm	Low operating and replacement costs
Laser lifetime	Approx. 10,000 exposing hours with violet	Low costs per exposed plate
Laser heads	1	Alignment of laser and diodes not necessary
Register system	Electronic 3-pin alignment	High register accuracy
Plates per cycle	1	Highest register accuracy in four colour set
Resolution	1,016 – 1,270 dpi with HR-option up to 2,540 dpi	Highest quality with stepless resolution adjustment
Capacity per hour	90, 100 plates, depending on model	Manual device or fully automatic production
Upgradeability	From Jet to Jet Auto, loader on-site upgradeable	Easy adaption to increased production requirements
Plate size	Max. 630 x 910 mm (24.8" x 35.8")	Single/panorama/commercial formats
Exposure size	Max. 610 x 910 mm (24" x 35.8")	Monogon Juwel-Optics for highest quality
Supported plate types	All available plates for 405 nm	Independence from one plate type/supplier
Plate supply	Manual or automatic with loader	Easy loading and daylight operation with loader
Plate capacity	Up to 200 single or 100 panorama plates	Capacity for a daily production (newspaper with regional circulation)
Footprint Jet/Jet Auto	920 mm (W) x 1,839 mm/2,431 mm (L) x 1,705 mm (H)	Smallest platesetter of its class; small space needed; innovative design
Processor connection	Straight with integrated conveyor	Small space needed for complete line
Processor	Krause Smart 'n' Easy Fin	Completely integrated product from one supplier or open interfaces for 3rd party processors
Workflow	Krause Smart'n'Easy Net	Complete solution from PDF management to platesetter output
Energy consumption	280 W	Lowest energy costs

Smart 'n' Easy Fin – standard setting processing

The Smart'n'Easy Fin is the processor of the Smart'n'Easy Line. In design and operation, it is a module which is completely integrated in the line. It processes all polymer printing plates available in constant quality and contributes to the price/performance ratio of the Smart'n'Easy Line.

- Processing speed of 120 cm/min for up to 100 printing plates per hour.
- Compatible with all available polymer printing plates
- Prepared for chemical free plates



TECHNICAL DATA	SMART 'N' EASY FIN SOLUTION	CUSTOMER ADVANTAGE
Supported plate types	All common polymer plates	Independence from plate type/supplier
Plate format	Max. 650 mm width	All common newspaper formats can be processed
Plate thickness	0.25 – 0.4 mm	All common newspaper thicknesses can be processed
Speed	80 – 120 cm/min	Adapted to Smart 'n' Easy system
Construction	Plastic bath	Easy cleaning
Roller diameter	44 mm	Easy handling of components
PreHeat	Single element	High production availability
Start up time	Less than 19 min. from cold start	Time and energy saving
Plate temperature	+/-3° C over whole plate	Adequate for high quality applications and screenings
PreWash	Overcoat removal with brushes and fresh water	Optimal processing result, min. overcoat transport
Development		
Dipping length	42 cm	Best dipping time at production speed
Tank content	45 l for developer chemistry	Low chemical consumption, low oxidation
Residence time	23 s at 1.1 m/min.	Complete processing at high speed
Recirculation	Process circle pump and candle filter	Easy replacement of standard filter
Regeneration	With membrane pump	Exact dosage
Regeneration/Top Up	According to square meter or plate count	According to plate supplier recommendation
Gum	By stainless steel roller	Defined gum on plate
Drying	Hot air	Reliable drying of plates
Weigth	650 KG empty, 720 KG filled	Simple construction according to requirements
Footprint	1,120 mm (W) x 2,000 mm (L) x 1,200 mm (H)	Small space needed

Smart 'n' Easy Ben – a finish that impresses

The Krause Smart 'n' Easy Ben is a high quality punch bender for single and panorame plates with an maximum output of 240 plates per hour, electronic 3-pin alignment, six standard punching tools and single bending of lead, trail edge. Available in three standard configurations: single line, double line left and double line right. This guarantees a perfect adaption to customer requirements and delivers the needed flexibility.



- Fully automatic and high quality punch and bending unit
- Up to 240 plates per hour throughput
- Three standard layouts available
- 3-pin alignment with optional video-control-positioning

TECHNICAL DATA	SMART'N'EASY BEN SOLUTION	CUSTOMER ADVANTAGE
Capacity/h	Up to 240 plates output	Can be operated from one or two lines
Register system	Electronic 3-pin alignment	Optional video-control-positioning
Control	Centrally controlled via touchscreen from Smart'n'Easy Jet	Time saving by central and easy control
1-in-1configuration	Smart'n'Easy Ben with conveyor and stacker	Complete bending configuration for one CTP line
Punching tools	6 punching tools inclusive	The most common punch configurations are included
Tool upgrades	Tool upgrades possible	Perfect adaption to individual specifications
Operation	Central position of plate in punch bender	Optimal punch and bending results guaranteed
Accuracy	+/- 0.02 mm	Precise 3-pin alignment
Working width	Min. 270 x 470 mm, max. 610 x 910 mm	The most common formats are possible
Plate size	Single- and panorama plates, max. 640 x 940 mm (25.2" x 37")	All formats in one device without parameter changes
Compatibility	Compatible with existing CTP systems	Investment flexibility by integration in existing equipment
Footprint	1,260 mm (W) x 1,466 mm (L) x 1,280 mm (H)	Small space needed, innovative design
2-in-1-configuration (optional)	Smart'n'Easy Ben with conveyor and stacker Additional conveyor for connection of two CTP lines with one bender	Only one punch bender for the operation of two CTP lines
Bender position	Left or right from conveyor	Flexible configuration of CTP room layouts
Special configuration	Bulge/Double/Naps bending	Can be configured for all presses

Subject to change

Krause-Biagosch GmbH · Paul-Schwarze-Straße 5 · 33649 Bielefeld · Germany
Phone: +49(0)521 - 45 99 - 01 · Fax: +49(0)521 - 45 99 - 122 · E-Mail: info@krause.de · www.krause.de

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