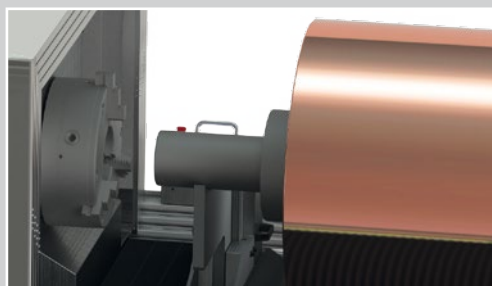
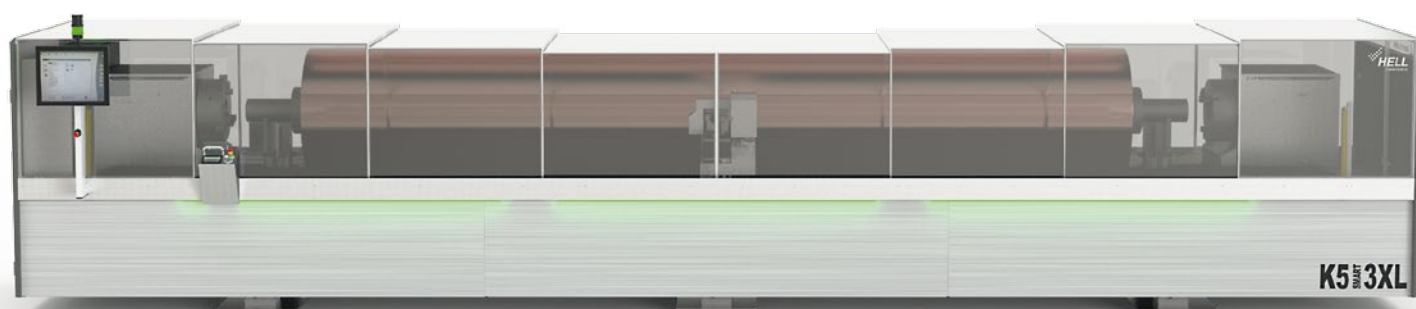




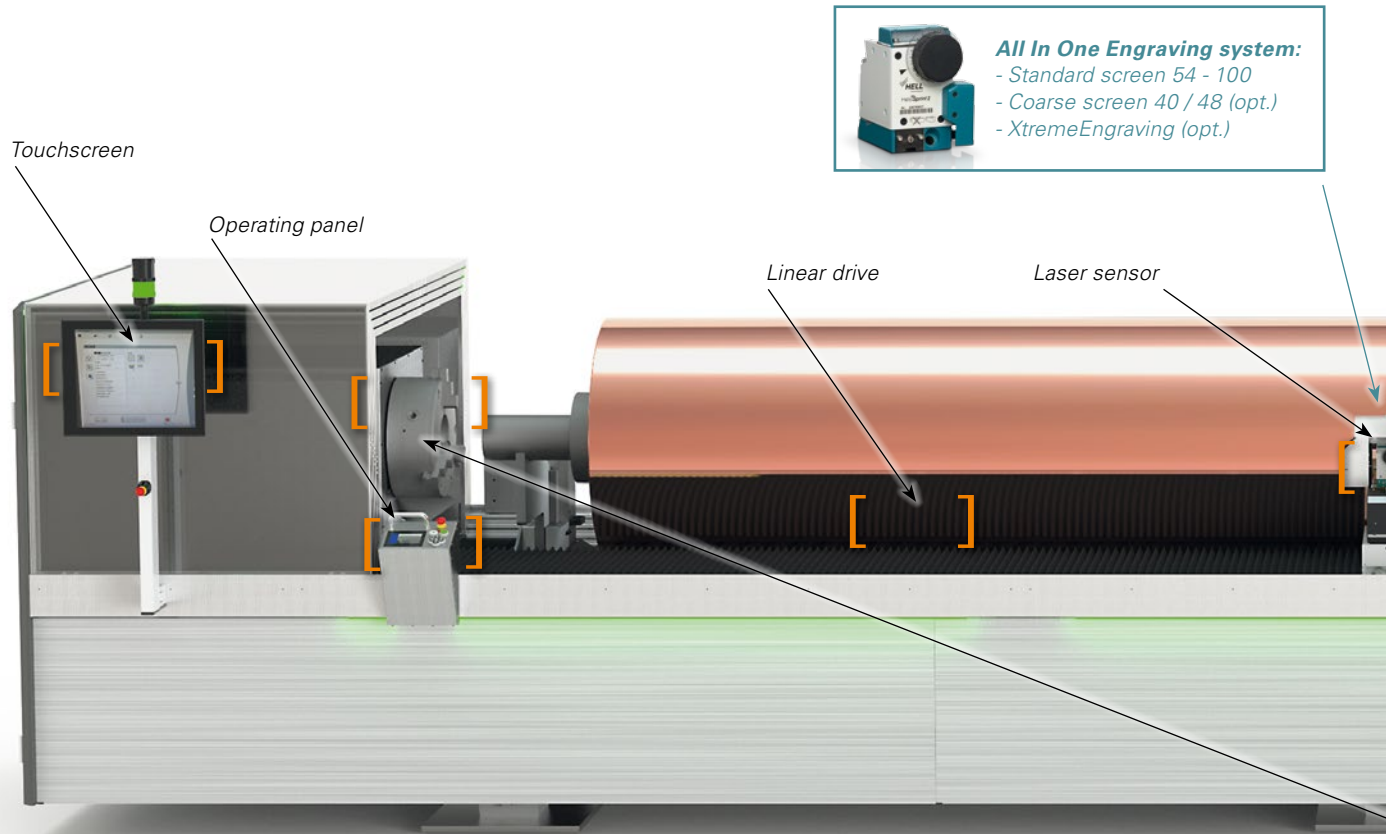
HelioKlischograph K5 Smart 3XL

SMART ENGRAVING IN LARGE FORMAT



[HD Gravure and Certified Engraving

Concise halftone, improved edge sharpness, highest repeatability



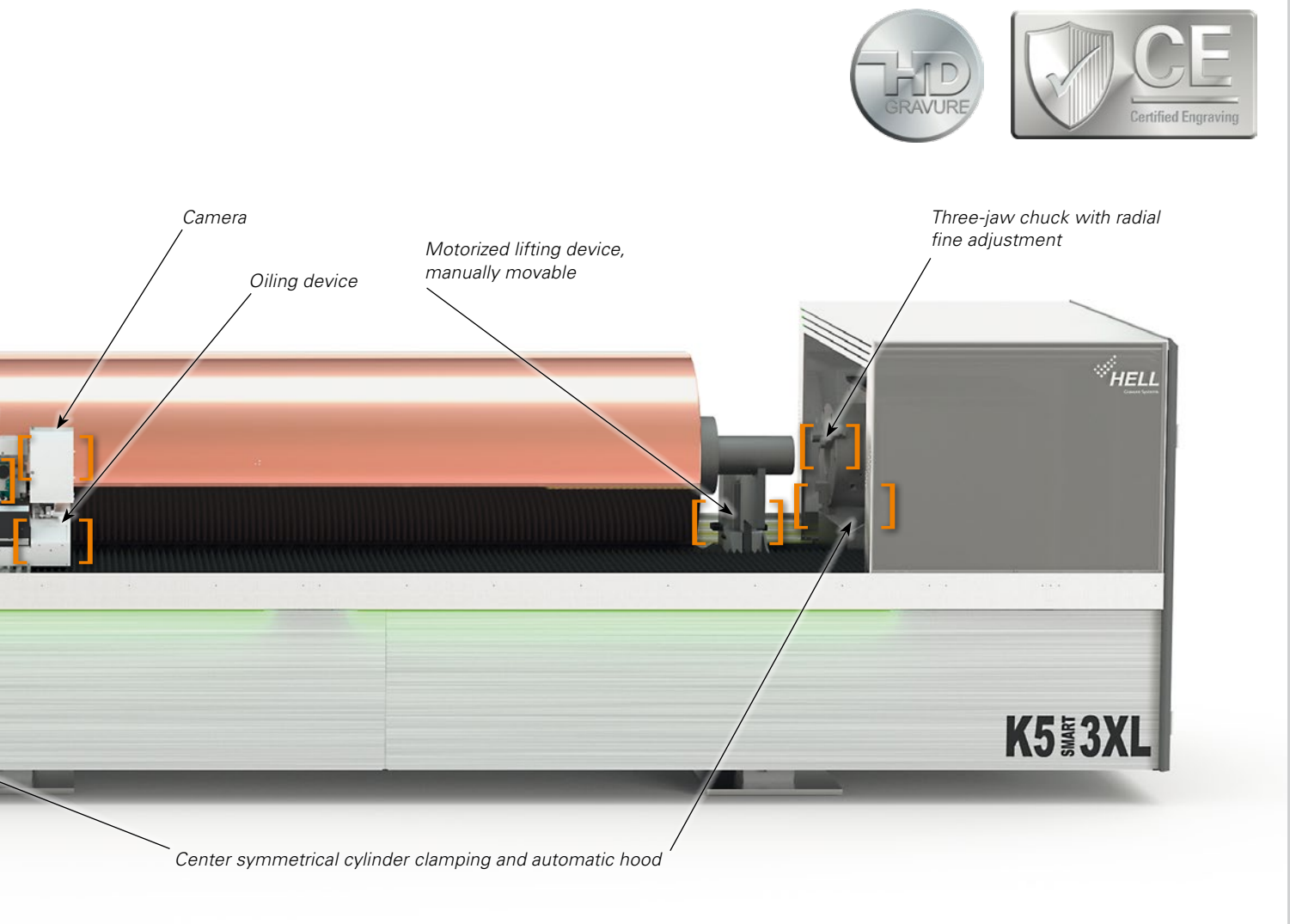
HD Gravure

The HelioKlischograph K5 Smart 3XL is equipped with the top features of HD Gravure as standard. HD Gravure ensures concise and detailed halftones and improves the edge sharpness of fine details. Minimal engraving tolerances also ensure maximum repeatability and simplified color matching in printing.

Certified Engraving

The K5 Smart 3XL is equipped with Certified Engraving automatic quality control as standard. Before engraving, Certified Engraving checks the geometry of the engraving cylinder for concentricity, taper and bone effect. After engraving, Certified Engraving measures the cylinder engraving at predefined points and visualizes larger engraved areas. Any slippage of a cylinder is detected. All measured values and camera images are documented in a customer-specific engraving certificate.

ility. Quality assurance included.



HelioSprint 2

The K5 Smart 3XL is equipped with the universal HelioSprint 2 broadband engraving system as standard. HelioSprint 2 is characterised by high engraving performance with uniform cell geometry and covers all requirements for applications ranging from security, stamps, packaging and decorative printing to varnish and coating rollers. HelioSprint 2 is adjusted by means of MultiTune. In engraving, this results in sharper contours and less ringing and dragging than with the predecessor systems. HelioSprint 2 covers the screen range 54 to 100 as standard. The "coarse screen" tuning is offered as an option, which extends the screen range to 48 and 40.

Optionally, the tuning "XtremeEngraving" is offered, which enables a writing resolution of up to 540 l/cm, but also realises coarse screens with cross diagonals of over 900 µm and engraving depths of over 100 µm.

HelioSprint 3

For cylinder circumferences up to 1600 mm optionally the 12 kHz HelioSprint 3 high-performance engraving system can be used on the K5 Smart 3XL.

Technical and functional details

All benefits at a glance

Basic data	K5 Smart 3XL
Basic unit (L x H x W)	8600 x 1870 x 2300 mm
Space required incl. access area (L x W)	10600 x 4300 mm
Weight	Approx. 13500 kg
Face width	240 - 5810 mm
Face circumferences (Format classes)*	360-1600 / 850-2100 / 1250-2500 mm
Face length incl. shafts	530 - 6100 mm
Shaft length	Min. 145 mm
Shaft circumference	60 - 440 mm
Cylinder weight	Max. 5000 kg
Balance quality G	< 2.5 mm/s
Concentricity	< 35 µm

* Alternatively customer-specific format class up to approx. 1200 mm stroke

Function overview	K5 Smart 3XL
HelioSprint 2 Standard screen 54 - 100 Coarse screen 40 / 48 XtremeEngraving	• ◦ ◦
HelioSprint 3	◦
CellEye	•
SprintEasy	◦
Certified Engraving	•
HighQualityHinting (embedded)	•

• = Standard ◦ = Optional

Subject to design modifications. Errors excepted.

Version: 23-03

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