



HelioKlischograph K5

9 KHZ ENTRY-LEVEL ENGRAVER



BASED ON INNOVATION.

Components and characteristics

Quality for successful production

Design criteria

- 9 kHz engraving speed
- HD Gravure
- Ease of use
- Fixed drive block, motorized bearing block
- Motorized positioning of the engraving system
- Integrated autofocus camera
- Semi-automatic test cut
- Machine bed, engraving carriage, and bearing blocks are all cast parts
- Operated and controlled by an integrated PC

A perfect start to 9 kHz engraving

The Helioklischograph K5 is a user-friendly engraver that offers the perfect start to productive electromechanical cylinder engraving. The comprehensive hardware equipment guarantees fast and high-quality engraving results in HD gravure quality.

The K5 comes with the HelioSprint BC+ engraving system as standard, supporting speeds of up to 9 kHz. The motorized support with integrated autofocus camera facilitates semi-automatic cell measurement. Production-related data such as engraving parameters and camera images are saved in the job ticket.

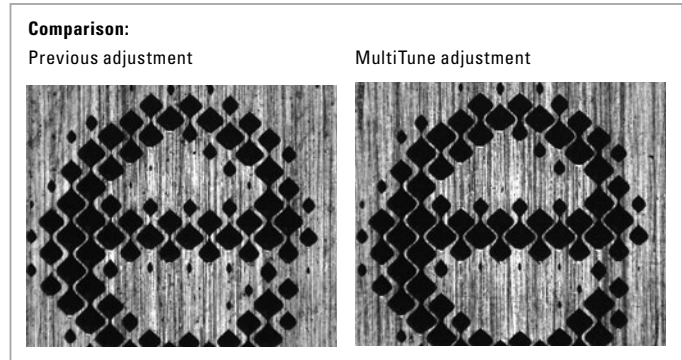
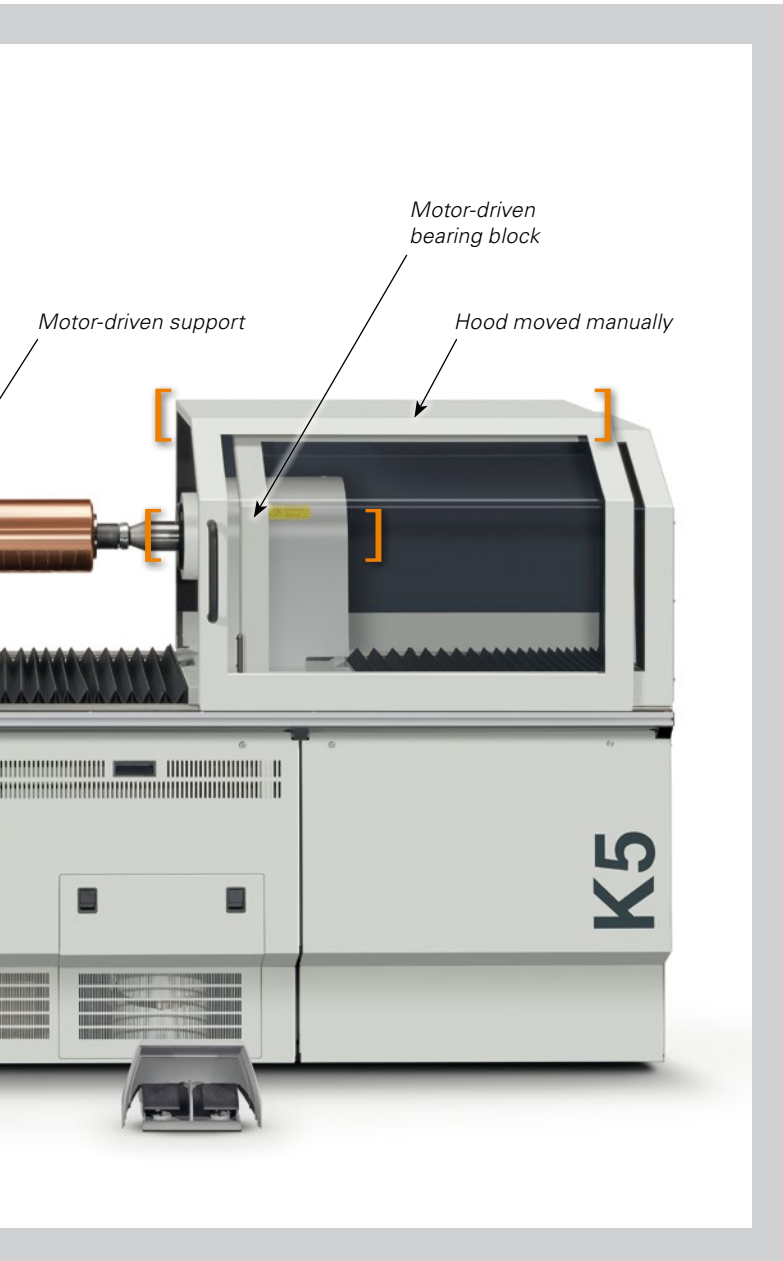


9 kHz HelioSprint BC+

The K5 comes with the HelioSprint BC+ broadband engraving system as standard, supporting speeds of up to 9 kHz. HelioSprint BC+ engraves HELL standard angles 0, 2, 3, 4 in a screen range of 54 to 100 l/cm, corresponding to an effective screen range of 44 to 144 l/cm. The engraving depth is a maximum of 70 µm, while engraving speed with a 70 l/cm screen is 0.55 m²/h.

XtremeEngraving

The K5 is optionally available with the HelioXtreme 32 broadband engraving system, which supports vibration engraving with the technical features of HelioSprint BC+, as well as high-resolution XtremeEngraving. HelioXtreme 32 covers an effective screen range of 14 to 144 l/cm. The maximum engraving resolution is 540 l/cm.



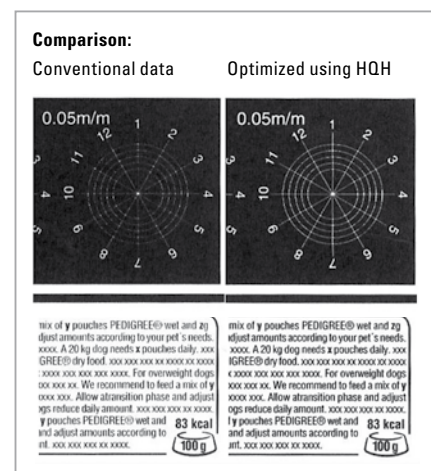
MultiTune

The HelioSprint MultiTune adjustment process provides a far more telling fingerprint of the engraving system than was previously possible. This enables the system to be adapted more precisely to the relevant screen / screen angle for sharper contours as well as less dragging and ringing during engraving.

HQH

(High Quality Hinting)

The K5 is equipped with HQH-embedded as standard. This function improves the legibility and appearance of fine text and graphics. HQH Pro software is available as an option.

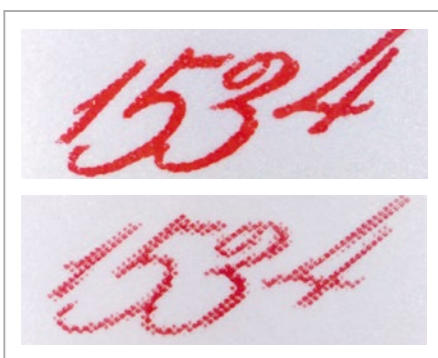


CellGuard

The CellGuard calibration system makes the testcut independent from the operator and leads to close engraving tolerances.

HellHybrid

HellHybrid is an engraving process for achieving high contour sharpness with high productivity. In principle, the standard engraving is overlaid with an offset engraving, which produces very fine edge cells.



Engraving with XtremeEngraving

Conventional engraving

Technical and functional details

All the benefits at a glance

Basic data	K5		K5 XL	
Basic unit (L x H x W)	2963 x 1470 x 866 mm		4373 x 1500 x 920 mm	
Space required incl. access area (L x W)	4563 x 2666 mm		5973 x 2720 mm	
Weight	Approx. 2300 kg		Approx. 2800 kg	
	Hollow cylinder	Shaft cylinder	Hollow cylinder	Shaft cylinder
Face width	130 - 1300 mm	130 - 1100 mm	130 - 2400 mm	130 - 2300 mm
Incl. shafts		300 - 1300 mm		380 - 2580 mm
Circumference	200 - 1200 mm	200 - 1200 mm	200 - 1200 mm	200 - 1200 mm
Cylinder weight	Max. 300 kg			
Cylinder mounting	Pivots with internal cone (three-jaw chuck on request)			
Power supply	Single phase, 230 V, 50 / 60 Hz			
Current consumption	1.5 kVA typical, 2.4 kVA peak			
Operating range / high-quality range	+15 to +25°C / +20 to +24°C			



HelioKlischograph comparison

Basic engraving	K2	K5	K5 Smart	K500 G4
Engraving system	5 kHz	9 kHz	9 / 12 kHz	9 / 12 kHz
Handling	Easy	Convenient	Assisted	Autonomous
Motorized support with integrated AF camera	•	•	•	•
Linear drive: Reduced setup times				•
Symmetrical movement of head- and tailstock				•
Twain double head engraving				◦
One-button engraving			•	•
Fully automated cylinder production with AutoCon				◦
HD Gravure				
HQH embedded	•	•	•	•
HQH Pro	◦	◦	◦	◦
MultiTune	•	•	•	•
CellGuard		Semi-automatic	Automatic	Automatic
CellEye			•	•
HellHybrid		◦	•	•
XtremeEngraving		◦	◦	◦
Certified Engraving			◦	•
Cylinder dimensions				
Max. face width hollow cylinder	1400 mm	1300 / 2400* mm	1300 / 2400* mm	2300 mm
Max. total length shaft cylinder	1460 mm	1300 / 2580* mm	1300 / 2580* mm	2600 mm
Max. circumference	1100 mm	1200 mm	1200 mm	1500 mm
Max. weight	150 kg	300 kg	300 kg	500 kg

• = Standard ◦ = Option * = XL Version

Subject to design modifications. Errors excepted.

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