The perfect entry-level engraver

The HelioKlischograph K2 is an ideal, economical entry-level engraver for electromechanical cylinder engraving “Made in Germany” and is fully equipped to handle all types of jobs, including gravure cylinders for contone, vignette, and linework reproduction, and technical cylinders for transferring inks, coatings, and glues. Special features of the K2 include High Quality Hinting, which improves the appearance of fine text and graphics, and MultiTune for sharper lettering.

Fast and flexible

The K2 comes with the speedy 5 kHz HELL CS engraving system as standard. Type B and type CX HELL standard engraving systems can also be used. The K2 operates – depending on the type of engraving system – in an effective screen range of 40 to 140 l/cm at a depth of up to 75 µm with either helical or polar line engraving. Low-color-shift HELL standard angles 0, 2, 3, 4 or freely definable screen angles are used.

Motorized support, integrated autofocus camera, guided operation

A cutting-edge user interface guides K2 operators through the job selection / testcut / engraving steps. The K2 is equipped with a motorized support and an integrated autofocus camera as standard for easy cell measurement. Measurements are adopted and evaluated online.
## Technical and functional details

### All the benefits at a glance

#### Design criteria
- 5 kHz engraving speed
- High Quality Hinting, MultiTune
- Easy operation
- Fixed drive block, motorized bearing block
- Integrated autofocus camera
- Motorized positioning of the engraving system
- Guided testcut
- Machine bed, engraving carriage, and bearing blocks are all cast parts
- Operated and controlled by an integrated PC

#### Basic data
<table>
<thead>
<tr>
<th>Basic unit (L x H x W)</th>
<th>3100 x 1400 x 765 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Space required incl. access area (L x W)</td>
<td>5100 x 2765 mm</td>
</tr>
<tr>
<td>Weight</td>
<td>Approx. 2900 kg</td>
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</table>

#### Hollow cylinder
- Face width: 130 - 1400 mm
- Circumference: 200 - 1100 mm

#### Shaft cylinder
- Face width incl. shafts: 130 - 1360 mm
- Max. 1460 mm
- Circumference: 200 - 1100 mm

#### Cylinder weight
- Max. 150 kg

#### Cylinder mounting
- HELLE Combi pivots with exchangeable inserts

#### Power supply
- Single phase, 230 V, 50/60 Hz

#### Current consumption
- 0.9 kVA mean, 1.2 kVA peak

#### Permissible operating range / recommended quality range
- +15 to +35°C / +20 to +24°C

#### Equipment
- Pivot insert: For hollow cylinder openings from 40 - 108 mm
- Engraving system: Type CS HELLE engraving system
- Engraving frequency: Max. 5 kHz
- Engraving speed: R60: 0.4 m²/h / R70: 0.33 m²/h
- Engraving range: Screen 60 - 100 / Effektiv: 50 - 140 l/cm
- Engraving depth: Max. 65 µm
- Screen angle: Low-color-shift HELLE standard angles 0, 2, 3, 4 and freely selectable screen angles from 30° to 65°
- Operating modes: Polar line engraving, helical engraving
- Gradations: Easy generation and management with HelioDisk
- Engraving data: Engraving of TIFF complete forms
- Features: HQH embedded, MultiTune
- Software:
  - Windows 7 operating system
  - HelioControl machine control
  - HelioDisk job programming
- Language: English, Chinese

#### Optional accessories
- Type B engraving system: Screen 48 - 60 / Effective: 40 - 85 l/cm
- Max. engraving depth 75 µm
- Type CX engraving system: Screen 60 - 100 / Effective: 40 - 140 l/cm
- Max. engraving depth 65 µm
- Inserts for pivots: Additional inserts for pivots
- Stylus adjusting gauge: To fit and remove the engraving stylus
- Microscope: To evaluate the engraving results
- Wear materials: Engraving styli, burr cutters, slide feet

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Subject to design modifications. Errors excepted.

Version: C4

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