

Leading edge instant control

→ Suregrave USB Controller



www.suregrave.com

setting
new
standards

The Hi-Drive II controller has a bi-directional USB connection making it compatible with all modern PC's and enabling instant control of the machine with feedback of cutting speeds and spindle rpm.



3D



Carving



Cutting



Engraving

The controller is optimised for cutter and diamond engraving and when incorporated with a Suregrave engraving machine automated cutter setting is included (if upgrading older Cipher or Suregrave machines they can be retrofitted with the necessary electronics). State of the art digital electronics are used giving it industry leading performance. Compared to older engraving systems, today's Suregrave engraving systems are four to five times more productive.

The Hi-Drive controller leads the field when it comes to efficiency too, instead of unused power being wasted and dissipated as heat and noise the controller recovers and recycles unused power.

Support is also available for our existing customer base, as the controller can be retrofitted to Suregrave, Dahlgren or

Cipher machines, as well as other makes (alternatively we offer competitive part exchange values).

Control is via an intuitive interface on the PC screen or by optional radio handset, spindle, swarf extraction and acillaries are controlled automatically by the controller feature set.

The Hi-Drive controller is programmed from SureLab, EngraveLab, SignLab, 2D Design® (education) or post processors from specialist 3D tool path software. Jobs are spooled allowing you to recall and re-engage at anytime. If upgrading then we strongly recommend you upgrade to SureLab software (OEM CADlink). During engraving an intuitive desktop interface allows control and over-ride of the pre-set modes.

Up to a 10 years parts / labour warranty (with annual service on new Suregrave systems).

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→ Technical Details

Footprint & Weight (mm/kg)	W-420 x D-370 x H-80 - Boxed Weight 10kg
Power	110 / 230 V (5 amps) Spindle Motor 150 watts
Controller	USB controller with on-screen control
Auto Tool Settings	Nose-cone & diamond
Engraving Control	Flat or cylindrical
Axis Control	X, Y, Z and W (cylindrical)
Engraving Modes (Adjustable)	Fast (plastics, soft metals, diamond), Normal (hard metals), Braille (drill)
Connection	USB
Depth Control	Diamond, Nose-Cone, Incremental Depth, 3D (dependant upon software)
Auto Start / Stop	Spindle, swarf, ancillaries

→ System Options

Auto Switch Box	Auto controls two ancilliary devices
Electronic Cutter Setting Block	Sets cutter for incremental depth
Radio Handset	Remote handset control
Surelab Software	1,100+ Fonts (including line fonts) and clip art
Additional Software	3D tool path generator, PCB
Training and Tech Support	1 day training and lifetime telephone support
Additional Training	Available upon request (charges may apply)
Warranty	1 Years Parts / Labour Warranty (Standard)
Upto 10 Years Parts & Labour Warranty	Applicable to new systems only Subject to annual service by Trotec Laser Ltd

→ Software Options

SureLab Lite

All the tools for all your basic engraving needs.

Compose jobs on screen or import files including DXF, EPS, AI and PDF.

Enhance basic text with imported graphics, and improve your engraving efficiency with single-line engraving fonts.

SureLab Pro

Save time with optimised tool paths, produce logo's using colour vectorisation or produce profitable DDA signs with Braille. Auto serialize rating plates or create complex rules and dials

Add another dimension to signs using 3D chisel tool paths.

Cut shapes with True Shape Nesting, saving you money and time.

