



The Sieg CNC Lathe is
DIRECTLY CONTROLLED by
TechSoft Design V3 with
CNC Lathe Extension

CNC Turning for Steel and Non-Ferrous Metals

Robust and Precise for Engineering Training

The Sieg KC6S is a high quality machine built around precision-ground iron castings. In use, the machine is virtually vibration free. The machine has sufficient power for sensible machining times in an educational setting. A robust, interlocked, case means coolant and swarf are contained and moving parts are guarded.

Simple Part Design - Comprehensive Output Control

Our Sieg CNC Lathe package provides a software extension for 2D Design V2 that makes designing suitable components very straightforward. Profile lines in the drawing are colour coded according to the operation required. Up to six operations can be selected including roughing, parting-off, threading, etc., each operation being assigned one of the tools in the automatic 4-position toolpost. On 'CNC Output' a file is created that contains all the necessary G&M code data for geometry, tool type, feeds and speeds, etc. The file is then opened in the Sieg CNC Turning software and a full G-code listing is displayed. This can be edited if required or specialist users could even programme from scratch here. As a minimum, the Sieg software is used to manually control the machine and to set up tools, apply off-sets and to establish machine datums.

Clearly the Best Option

Designing parts and outputting to a CNC lathe can be tricky. TechSoft 2D Design V2 and the Sieg KC6S make the job crystal clear at all stages.

Set up your 2D Design page and include the billet size.

Draw the profile - axes are shown as a guide.

'CNC Output' from 2D Design

Enter tool and cutting parameters for up to six operations

Open in Sieg software, set machine datums, see G-code listing.

Simulate (Dry Run) the job to check before cutting.

Specifications

Distance Between Centres:	450mm
Swing Over Bed:	250mm
Spindle Speed:	100-3,000rpm (variable)
Motor:	1kW (1.3hp)
Interface:	Ethernet - Direct Connection Advised
Weight:	440kg
Dimensions:	1460(W) x 760(D) x 1450(H)mm
Power Requirements:	240V 1.5kW, 13A Socket
Any Other Requirements:	Computer with an Ethernet Connection

What's Included

Software

Sieg CNC Turning software
CNC Lathe Extension for 2D Design V2.
N.B. 2D Design V2, see page 12, is not included but is required to run this Extension

Free Education Training Pack

Containing a Machine Guide/Tutorial booklet, a CD with project samples and four aluminium billets to carry out the tutorial exercises.

Accessories

Coolant System
Tooling Pack (Includes Live Centre; Keyless Drill Chuck and Arbor; Indexable tools 10mm - 60deg RH, 60deg LH, vee, external threading + blade-type parting tool)

Warranty

UK Mainland: 1 Year On-Site
Elsewhere: 1 Year Return and Collect

Prices £*

*See Pricing Information on page 2

MP-CL-52TS	Sieg CNC Lathe KC6S Package Includes machine with integral stand, software extension for 2D Design V2, coolant system and comprehensive tooling pack	
Recommended Extras See details of our full range of tools and accessories on page 85		
MT-CM-HC51	Hand Control Wheel	
Recommended Software TechSoft Design V3 (page 12)		