

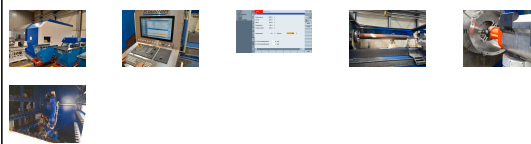
## KLAASSEN

SDM15-5

Stock no. :1022-H09065

### MACHINE-DATA

Machinetype : CNC Lathe  
 Make : KLAASSEN  
 Type : SDM15-5  
 Year : 2019  
 Control type : CNC  
 Control : Siemens 840 Dsl  
 Storage location : Germany  
 Origin : Germany  
 Delivery time : Short-dated  
 Quotation : ex foundation  
 Price : on request



### TECHNICAL DATA

|                                       |                 |
|---------------------------------------|-----------------|
| turning diameter                      | 1500 mm         |
| turning length                        | 4500 (5500) mm  |
| control                               | Siemens 840 Dsl |
| max. workpiece weight between centres | 6000 kg         |
| weight of the machine ca.             | 40 t            |

### TECHNICAL DESCRIPTION

*CNC machine configured as a 4-way center lathe with full travel over the steady rests and superstructures*

*Z-axis travel (longitudinal slide) = 5000 mm (6000 mm with TAE3)*

*X-axis travel (transverse cross slide) = 1000 mm*

*Y-axis travel (vertical movement) = 350 mm*

*Maximum workpiece diameter = 1500 mm*

*Swing diameter over cross slide = 1500 mm*

*Center distance = 4500 mm (5500 mm with TAE3)*



## KLAASSEN

SDM15-5

Stock no. :1022-H09065

---

*The cross slide and cross slide do not restrict the diameter range due to their lateral positioning on the lathe bed. Therefore, there is no associated diameter restriction over the cross slide/tool carrier.*

*The cross slide unit, including the cross slide superstructure, can travel completely past the steady rests, HSSL, and tailstock. This significantly reduces setup time.*

*All CNC linear axes are generously dimensioned to withstand the highest cutting and process forces and ensure a long service life.*

*Lathe bed as a highly rigid, heavily ribbed cast iron construction with double prismatic guidance of the steady rests and superstructures - - -*

*Lathe bed with a very steep, roof-shaped superstructure for optimal lateral chip and coolant removal*

*Chip conveyor on both sides to the machine bed*

*Chip conveyor in a flooded design*

*Cross slide and face slide unit as solid cast iron constructions*

*Backlash-free and precise positioning of the main spindle in milling operation -*

*High-performance main drive with master-slave drive system*

*consisting of 2 x 31 kW drive power (? 62 kW S1 operation) - - -*

*Permanently backlash-free positioning of the main spindle through electrically clamped master-slave system*

*Full C-axis functionality and interpolation capability to the X/Y/Z axes*

*with high-resolution direct measuring system on the main spindle for Highest positioning accuracy (hollow shaft encoder)*

*Large-dimensioned main spindle bearing -*

*Main spindle bearing diameter of nominal  $\varnothing$  395 mm -*

*Highest stiffness values and load ratings of the main spindle bearing. Optimal prerequisites for precise positioning and positional control, especially during turning and milling.*

*Permanently backlash-free thanks to preloaded bearing packages*

*Oil circulation lubrication for optimal heat dissipation*

*Full enclosure of the machine's working area -*

*including fully integrated extraction -*

*including attachable protective wall on the cross slide and additional*

*process inspection window for machining tasks requiring better*

*process monitoring – e.g., with coiled chips or rework of components*

*Comprehensive cooling water treatment for long emulsion service life and optimal coolant properties*



## KLAASSEN

SDM15-5

Stock no. :1022-H09065

---

*Control as a high-performance SIEMENS 840 Dsl – Operate with machine-specific adaptations and extensions - - - - -*

*including hand-held control unit with mobile handwheel*

*including drilling and milling cycles*

*including comprehensive license and SIEMENS equipment package*

*including ShopTurn interface as an alternative to classic cycle control*

*including control-integrated collision monitoring based on imported 3D*

*real-time machine setup models*

*The movements and positions of the chuck, workpiece, steady rests, tools, and e.g., magazine, are calculated in real time, and a warning message is triggered if a adjustable minimum safety distance is breached.*

*Includes*

*additional Klaassen control elements for maximum ease of use and superior ergonomics (19" size) on a high-quality SI*

## VIDEO-LINKS

## WEB-LINK

<http://mhp.logotech.de/hpm/v7/Datenblatt/datenblatt.php?machineno=1022-H09065>

