

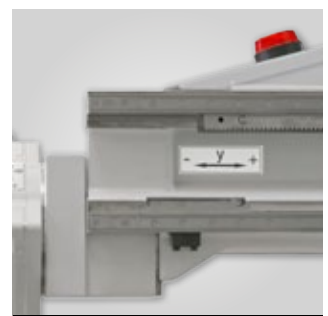
COMPONENT

StudioLine M



studio milling in perfection

the new StudioLine M – perfect
milling results in clay & foam



NOT JUST A MACHINE, BUT A SYSTEM

ready to go

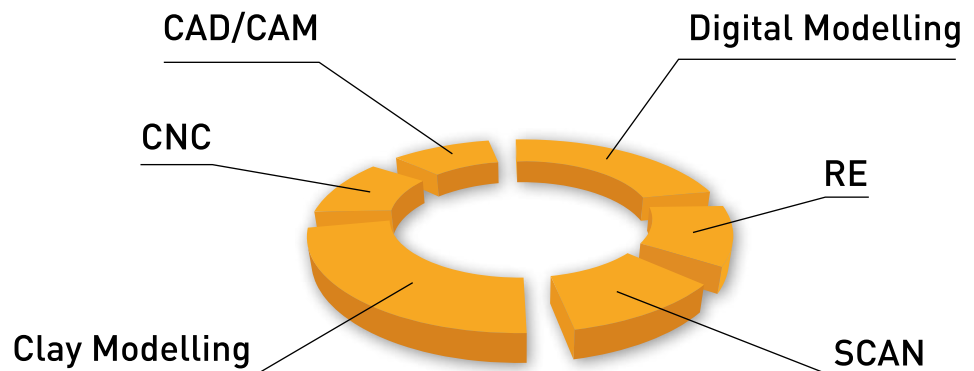
A styling studio has to deliver great models – that's the focus. To keep this focus, you shouldn't have to worry about complicated or vulnerable technology. Use a reliable machine that delivers outstanding milling results and supports you no matter how tight the deadline may be.



the idea

THE KOLB

StudioLine system



StudioLine M – studio milling in perfection

This mill is part of the Kolb StudioLine system – an integrated solution package that speeds up communication and interaction between digital and physical models in the design process, thereby providing more time for what really counts: DESIGN.

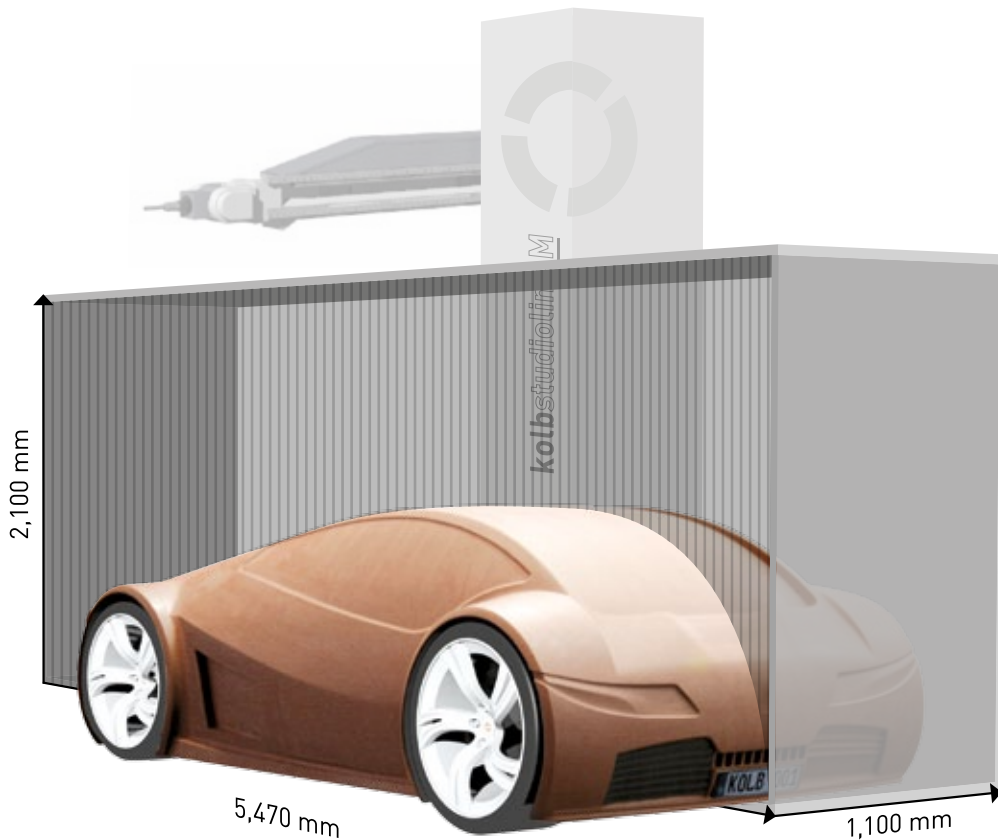
Kolb StudioLine is a ready-to-go system right from the beginning. It's not only a single component, but a modular system which integrates digital and physical modelling and facilitates interaction between those two creative worlds.

For this purpose Kolb optimised and harmonised all necessary components. From the milling-machine with a customised software-interface for design studios to the intuitive laser scanner and easy-to-use CAD/CAM software: Kolb delivers everything for working in a perfect process right from the beginning.

The latest generations of StudioLine milling machines come with a new multi-adapter. This common base plate lets you easily switch from one machine type to the other while using the same machine rail (X-axis). This offers even more flexibility and lets you easily adapt the StudioLine solution to your changing needs.



hardfacts



Description

The StudioLine M is a 5-axis milling machine for foam, clay and hard-board which fulfils the highest demands concerning rigidity and dynamics, and therefore accuracy as well.

By using linear guiderails and direct connection of all axes, we achieve a performance formerly reserved for huge gantry milling machines. Large diameters and the latest components play their part in making this machine the new benchmark of its class. The solid geometries in combination with the powerful milling head make it possible to mill hard-board up to a density of 1,000 kg/m³.

This outstanding power in combination with the fact, that StudioLine needs no special foundation work, enables you to handle all milling work directly in your studio.



Components

- **machine rail or optional mobile rail (X-axis):**
weldment, filled with vibration-absorbing material
- **Z-column:** weldment, partially filled with vibration-absorbing material, control cabinet mounted on machine column
- **Y-arm:** weldment, filled with vibration-absorbing material
- **2-axis milling head**
- **Fidia control**

General

- **machine height incl. stationary rail:** 3,634 mm
- **width of stationary rail:** 1,193 mm
- **machine height incl. mobile rail:** 3,628 mm
- **width of mobile rail:** 1,100 mm
- **machine weight (without X-rail):** 2,400 kg
- **linear guide rails** on all linear axes
- **robust rack and pinion** drive-technology
- **Fidia NC15-FF control** with 15" touch screen
- **optional** as duplex or mobile installation or with rotary table
- **foundation:** standard industrial floor (details on request)
- **no measuring plates required**
- **milling room** should be air-conditioned (20°C ± 2°C)
- **machine requires** electricity and compressed air

Performance characteristics

- **travel range:**
 - **X:** 6,300 mm (on a stationary rail with 8 m) or 3,856 mm (on a mobile rail with 5,500 mm); stationary rail available in nearly any length
 - **Y:** 1,560 mm
 - **Z:** 2,560 mm
- **acceleration:** 1 m/s²
- **max. travel speed:** 18 m/min
- **milling spindle:** 18,000 rpm, continuous power 7.4 kW (S6 -25% 12 kW)
- **for milling of clay,** styrofoam and hard-board with densities up to 1,000 kg/m³

Milling head

- **C-axis:** ± 105°
- **B-axis:** ± 210°
- **max rotating speed in B and C:** 3,000°/min
- **continuous spindle power:** 7.4 kW
- **spindle power S6 -25%:** 12 kW
- **continuous spindle torque:** 4.5 Nm
- **spindle torque S6 -25%:** 7 Nm
- **spindle rotation range:** 0-18,000 rpm
- **tool holder:** HSK-C 50 hydraulic expansion chuck integrated in spindle
- **max. tool shank diameter:** 20 mm
- **spindle water-cooled**



StudioLine M

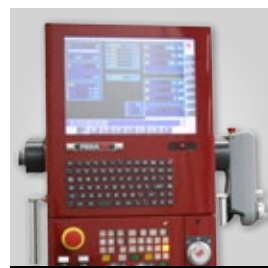
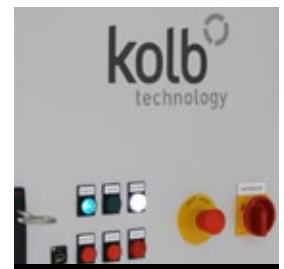
Perfect milling results in clay, foam and hard-board.

It's performance and the range of milling materials make StudioLine M the all-purpose machine which gives independence and flexibility to all studios. For this reason, it is not only the backbone of OEM studios, but also the perfect choice for design houses.

Overview of technical data

| | |
|---------------------------------|-------------------------------------|
| travel range X | rail available in nearly any length |
| travel range Y | 1,560 mm |
| travel range Z | 2,560 mm |
| max. travel speed | 18 m/min |
| spindle rotation range | 0 - 18,000 rpm |
| contineous spindle power | 7.4 kW |
| control | FIDIA NC15-FF with 15" touch screen |

- for milling of clay, styrofoam and hard-board with densities up to 1,000 kg/m³
- StudioLine MultiAdapter for easy change of system
- compatibility to StudioLine scanning solutions
- ready-to-go solution with all necessary equipment included



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