

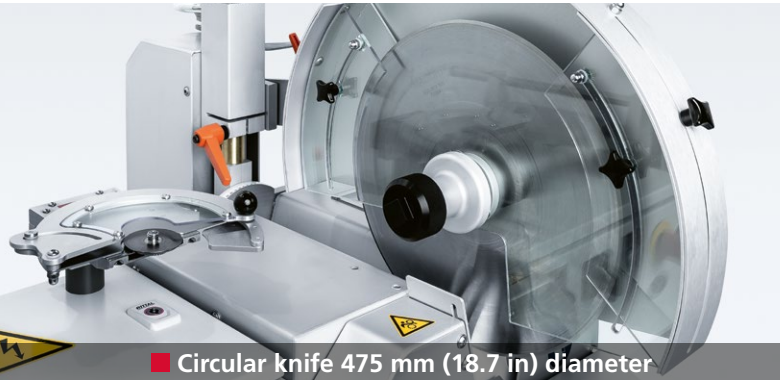
## KLA 220–HV 153 II

Sharpening Machine for Circular Knives



# Precise cutting edges

Due to gentle ground circular knives



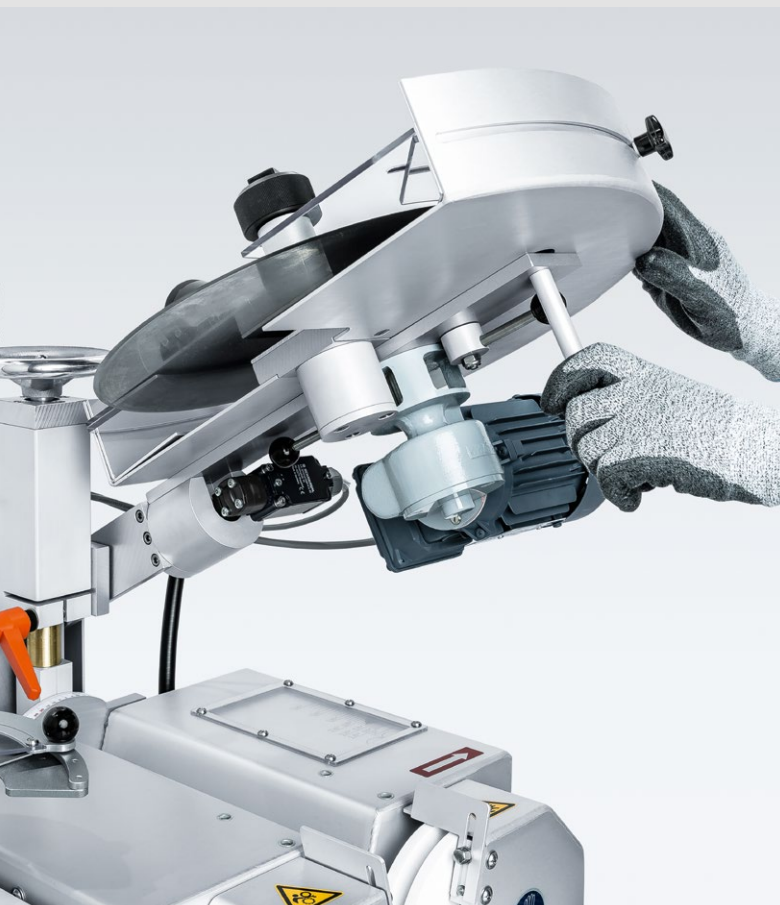
■ Circular knife 475 mm (18.7 in) diameter



■ Circular knife 60 mm (2.36 in) diameter

Sharpness, cutting angle and cutting edge width of a circular knife have a big influence on the quality of the cut products.

The KLA 220–HV 153 II creates exactly ground and precisely angled cutting edges. It retains the original circular-shape over the entire service life of the circular knives.



## ■ Safety

To change the knife, the retaining arm is turned horizontally (see image, left). All drives are locked during the knife change.

## ■ Overheating protection

The grinding wheels move through a water bath. This prevents the cutting tools from overheating during the sharpening process.

## ■ Limit stop system

A finely adjustable stop system ensures, that only as much as material is removed as absolutely necessary.

## ■ Dressing

Grinding wheels which have become untrue are fast and easily dressed with a diamond truing device.

## ■ Cutting angle

The cutting angle can be set continuously from 5°–40°. The adjusted value is displayed on a clear scale.

## Perfect cuts

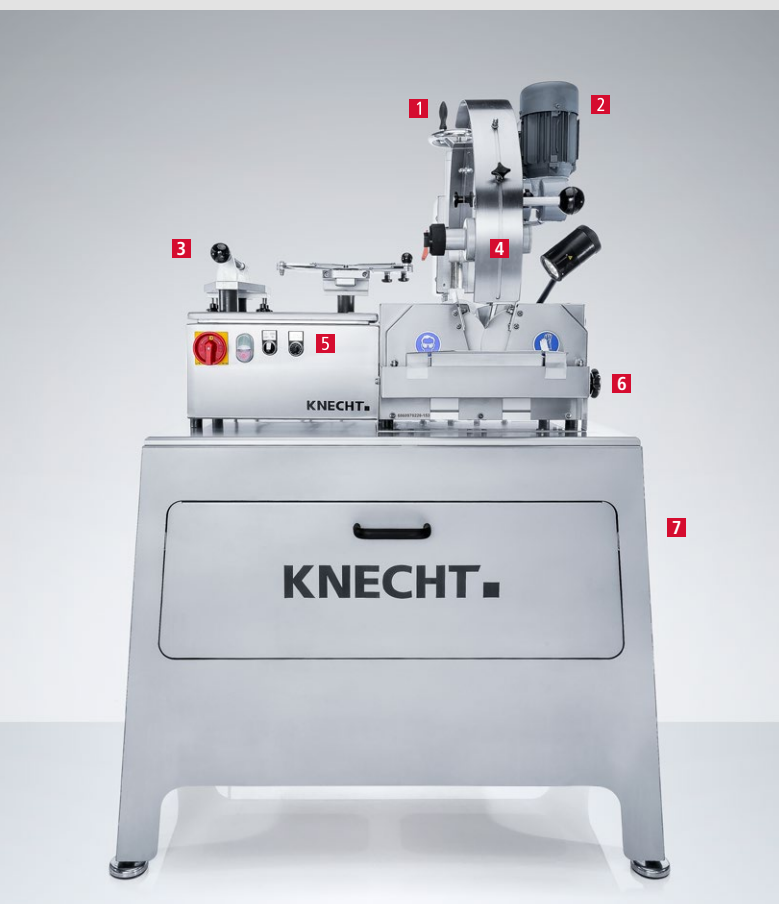
Due to absolutely round circular knives



The KLA220–HV 153 II is suitable for sharpening flat and saucer-shaped circular knives with diameters from 60 mm (2.36 in) up to 475 mm (18.7 in) with one-sided and double-sided cutting edges.

The circular knives are driven electrically. Thus, they remain absolutely round. The maximum width of the cutting edge is 6 mm (0.24 in). The material removal on the knife is extremely low.

A work light ensures very good illumination of the working area. The grinding wheels of the right grinding unit are infinitely variable in speed (optional). One-sided cutting edges on the circular knife can thus be produced in the simplest way.



- 1 Height adjustment
- 2 Drive motor for circular knives
- 3 HV 156 Truing device
- 4 Circular knife grinding attachment
- 5 Variable speed adjustment (optionally)
- 6 Water tray
- 7 Machine table (optionally)  
with storage space for knife holding fixtures  
and accessories

## KLA 220–HV 153 II

### Technical specifications and space requirements\*

#### ■ Table version

■ Width	835 mm
■ Depth	850 mm
■ Height	790 mm
■ Width x depth*	1000 mm x 1200 mm
■ Weight	approx. 76 kg

#### ■ Version with machine table

■ Width	910 mm
■ Depth	850 mm
■ Height	1640 mm
■ Width x depth*	1000 mm x 1200 mm
■ Weight	approx. 170 kg

■ Electrical supply	0.5 kW 3x 400 V 50 Hz
■ Back-up fuse	16 A
■ Emission sound pressure level according EN ISO 11201	approx. 71 dB (A)

■ Sharpening range	60–475 mm (2.36–18.7 in) diam.
■ Circular knife holding fixture 1	60–180 mm (2.36–7.1 in) diam.
■ Circular knife holding fixture 2	180–250 mm (7.1–9.84 in) diam.
■ Circular knife holding fixture 3	180–475 mm (7.1–18.7 in) diam.

The machine meets the EC safety and health requirements and is provided with the CE-symbol.  
As at 2025.02 | Subject to technical modifications.

