

Fully automatic saw-drill system

KKS 463 NA | KD 140

Sawing, drilling,
milling, thread cutting,
and marking of steel
profiles, as well as
round and square
materials



KALTENBACH

POWERFUL SOLUTIONS - PASSIONATE PEOPLE

A TRUE ALL-ROUNDER. THE SAW-DRILL SYSTEM FOR MAXIMUM VERSATILITY

H T L U - O □

The innovative KKS 463 NA | KD 140 saw-drill system combines all essential processing steps in a single machine – for a wide range of steel shapes: whether custom profiles, round or square material. Drilling (HSS and carbide), milling, thread cutting, flow drilling, or marking – fully automated, precise, and flexible on all four sides of the profile. Tasks that once required multiple machines and processing steps are now handled by a single, integrated system.

Maximum Flexibility and Cost-Efficiency

From round material with a diameter of 15 mm [0.6"] to special profiles up to 140 x 140 mm [5.5" x 5.5"] – this machine covers almost all common materials and profile shapes. Miter cuts of up to $\pm 20^\circ$ make it highly versatile and perfectly suited for a wide range of applications – from steel construction and trading to metal fabrication. A minimum remnant length of 15 mm [0.6"] enable maximum material utilization.

Fully Automated with Minimal Staffing Requirements

Thanks to its high level of automation, setup time during material changes is virtually eliminated. Smart material buffering with automatic feed magazines and fully automated part sorting significantly boost productivity.



Swiveling top clamp allows ultra-short remnant lengths



Automatic tool changer



Feed magazines for material buffering and automatic supply

HARD FACTS

Working range width x height min / max	mm inch	15 x 10 / 140 x 140 0.6 x 0.4 / 5.5 x 5.5			
KKS 463 NA sawing machine			KD 140 drilling machine		
Saw blade diameter	mm inch	460 18.1	Drill chuck		SK 40
Cutting speed	m/min ft/min	7 - 180 23 - 591	Drill diameter	mm inch	6 - 32 0.2 - 1.3
Saw blade feed	mm/min inch/min	10 - 1,000 0.4 - 39.4	Speed of drilling/milling spindles max	U/min RPM	4,000 4,000
Rapid feed and retract	mm/min inch/min	3,500 137.8	Drive power of drilling/ milling spindles max	kW hp	10 13.4
Drive performance max	kW hp	8.8 11.8	Tool changer Magazine places		3 x 5
Miter range		$\pm 30^\circ$ $\pm 20^\circ$ (optional)			

Information based on metric numbers is leading.



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