



HOOGS CUTTING SYSTEMS
GmbH & Co. KG

Round-knife Machines



Power packs for precise cuts and simple operation.

Series USM-G – the handy and powerful machine

USM-G



- > for almost all textile and synthetic materials
- > high cutting performance due to a high-torque DC motor
- > integrated grinding unit for permanently sharp blades
- > high level of safety due to adjustable finger guard and fixed blade cover
- > maintenance-friendly due to central lubrication
- > base plate with smooth-running rollers
- > low weight despite compact dimensions

USM-G-M



- > special version, particularly for stiff materials
- > special blade holder
- > intermediate metal sheet, centred at the cutting line
- > wear-resistant bronze worm wheel with axial needle roller bearing
- > HSS blade

Series Z-110-E – the industrious endurance runner

Z-110-E-4



- > 50 % more power and torque than Z-4-N
- > IP 54
- > for almost all textile and synthetic materials
- > an endurance runner thanks to a robust three-phase motor
- > integrated grinding unit for permanently sharp blades
- > high level of safety due to adjustable finger guard and fixed blade cover
- > maintenance-friendly due to central lubrication
- > wide base plate with smooth-running rollers
- > compact dimensions

Z-110-E-4-M



- > 50 % more power and torque than Z-4-N-M
- > IP 54
- > special version, particularly for stiff materials
- > special blade holder
- > intermediate metal sheet, centred at the cutting line
- > wear-resistant bronze worm wheel with axial needle roller bearing
- > HSS blade

Series X-130-E – the powerful all-rounders

**X-130-E-2
X-130-E-4**



**X-130-E-2-M
X-130-E-4-M**



- > low blade rotation speed through 2gg gear unit for firm and heavy materials
- > high blade rotation speed through 4gg gear unit for all common textiles and synthetic materials
- > an endurance runner thanks to a robust three-phase motor
- > protection class IP54
- > break-proof handle
- > integrated grinding unit for permanently sharp blades
- > high level of safety due to adjustable finger guard and fixed blade cover
- > maintenance-friendly due to central lubrication
- > wide base plate with smooth-running rollers
- > compact dimensions

- > special version, particularly for stiff materials
- > special blade holder
- > intermediate metal sheet, centred at the cutting line
- > wear-resistant bronze helical gear with axial needle roller bearing
- > HSS blade

Special version

- > for glass and carbon, fibres, Kevlar, aramides etc.
- > as types
X-130-E-2-SB
X-130-E-4-SB

Additional features



- > handle extension to 80 cm with or without switch or push-button
- > push-button instead of on/off switch
- > bronze worm wheel for higher loads
- > high blade rotation speed (1066 rpm) through 8gg gear unit with bronze worm wheel
- > ST sliding foot for use of round-knife machines in our aluminium ST guide rails
- > ball-bearing roller foot for use in our 80/20 steel guide rail for particularly smooth and precise guiding

- > steel guide rail SFS-90 and SFS-140 for straight guiding of the machines over longer distances by means of a standard base plate
- > holding-down device for bulky materials
- > special versions for stationary installations available

Technical data

	USM-G	Z-110-E	X-130-E-2...	X-130-E-4...	X-130-E-8...
Voltage (V)	1 ~ 230 1 - 110	1 ~ 230 3 ~ 220-230 3 ~ 380-400			
Frequency (Hz)	50-60	50-60	50-60	50-60	50-60
Power (W) 1 -	260	210	340	340	340
Power (W) 3 -		270	440	440	440
Blade diameter (mm)	110	110	130	130	130
Blade speed approx. (r. p. m.)	820	532	280	533	1066
Cutting speed (m/min)	285	185	114	218	436
max. Cutting height (up to mm)	30	30	40-50	40-50	40-50
Weight (approx.kgs)	2,5	5,5	8,6	8,6	8,6
Measurements approx. mm	310 x 110 x 250	380 x 140 x 290	380 x 140 x 340	380 x 140 x 340	380 x 140 x 340

All information applies to the representative standard execution. Indicated Speeds are valid with 50 Hz. Special voltage on request.

Our product range

- > Electric and pneumatic shears
- > Round-knife machines
- > Integrated machines
- > Laying-out and cut-off devices
- > Cutting room tables
- > Unrolling, unwinder and unwind vehicles
- > Pull-off, cutting and laying down device
- > Fully automatic length measuring and cut-off system
- > Rewinding, measuring and cutting machines
- > Straight-knife machines
- > Band-knife machines
- > Folding machines
- > Punchers
- > Cutting room accessories



Possible operational areas

- > Textile industry
- > Home textiles
- > Leather, furs and hides
- > Upholstery and furniture industry
- > Carpets, wall and floor coverings
- > Tents and canvas
- > Sun- and rain protection
- > Automotive
- > Environment and filter technology
- > Energy management
- > Safety technology
- > Aerospace technology
- > Ship building industry
- > Landscaping
- > Packaging industry
- > Advertising
- > Various uses in technical and industrial areas



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Hohe Straße 89, D-53119 Bonn

Telefon: +49 (0) 228 – 90 24 80-0 | Telefax: +49 (0) 228 – 90 24 80-11

E-Mail: info@hoogs.de | www.hoogs.de