



HOOGS CUTTING SYSTEMS
GmbH & Co. KG

Round-knife Machines



**U.S. Distribution and
Service coming soon!**



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, centered 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, centered at the cutting line
- > wear-resistant bronze helical gear with axial needle roller bearing
- > HSS blade

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

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



- > 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

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



- > special version, particularly for stiff materials
- > special blade holder
- > intermediate metal sheet, centered 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 up to 125 cm / 49" with or without switch or push-button
- > push-button instead of on/off switch
- > bronze helical gear for higher loads
- > high blade rotation speed (1066 rpm) through 8gg gear unit with metal helical 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 phs. 230 1 phs. 110-120	1 phs. 230 V 3 phs. 208-230 V 3 phs. 380-400 V 3 phs. 480 V	1 phs. 230 V 3 phs. 208-230 V 3 phs. 380-400 V 3 phs. 480 V	1 phs. 230 V 3 phs. 208-230 V 3 phs. 380-400 V 3 phs. 480 V	1 phs. 230 V 3 phs. 208-230 V 3 phs. 380-400 V 3 phs. 480 V
Frequency (Hz)	50-60	50-60	50-60	50-60	50-60
Power (W) 1 phs	260	210	340	340	340
Power (W) 3 phs		270	440	440	440
Blade diameter (mm / in)	110 / 4.33	110 / 4.33	130 / 5.12	130 / 5.12	130 / 5.12
Blade speed approx. (rpm)	820	532	280	533	1066
Cutting speed (m/min / ft/min)	285 / 935	185 / 607	114 / 374	218 / 715	436 / 1430
max. Cutting height (up to mm / in)	30 / 1.18	30 / 1.18	50 / 2	50 / 2	50 / 2
Weight (approx. kg / lbs)	2.5 / 5.5	5.5 / 12.1	8.6 / 20	8.6 / 20	8.6 / 20
Measurements (approx. mm / in)	310 × 110 × 250 12.2 × 4.3 × 9.8	380 × 140 × 290 15 × 5.5 × 11.4	380 × 140 × 340 15 × 5.5 × 13.4	380 × 140 × 340 15 × 5.5 × 13.4	380 × 140 × 340 15 × 5.5 × 13.4

All information applies to the representative standard execution. Indicated Speeds are valid with 50 Hz. Special voltage +/-10 % on request.

Our product range

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



Possible operational areas

- > Apparel and textile industry
- > Home textiles
- > Leathers and furs
- > Upholstery and furniture industry
- > Carpets, wall and floor coverings
- > Tents and tarps
- > Sunblinds and raincovers
- > Automotive applications
- > Environmental and filter technology
- > Energy management
- > Safety technology
- > Aerospace technology
- > Ship building industry
- > Landscaping
- > Packaging industry
- > Advertising
- > Various uses in industrial and artisanal areas



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