Industrial Cutting Equipment

DI





Founded in 1967, Holmatro has over 45 years of experience designing and manufacturing high-pressure hydraulic equipment. With the philosophy that only harnessed power can be put to use effectively, we design our products to be innovative and of the highest quality, and above all, effective under the most adverse conditions.

Holmatro is a global company with manufacturing operations in the USA and The Netherlands, and offices in the UK, China, and Poland. With equipment in service around the globe, Holmatro's extensive dealer network offers sales and service on every continent. For more information, visit: http://www.holmatro-usa.com



Holmatro rescue equipment is recognized worldwide for its high quality and performance. Fire & rescue departments around the globe use Holmatro rescue tools to extricate victims from motor vehicle accidents and collapsed buildings resulting from natural and man-made disasters.



Holmatro industrial equipment offers a variety of high-pressure hydraulic and pneumatic tools for spreading, lifting, bending, pulling and cutting applications. From ship building to recycling facilities and foundry operations, Holmatro's products assist customers with handling large loads and specialized cutting needs.



About Holmatro®

Holmatro special tactics equipment has been specifically developed for use by SWAT teams, other police units and Special Operations Forces. The range includes hydraulic breaching, cutting, spreading and lifting equipment for a wide variety of applications. These hydraulic tools offer new possibilities for performing tactical operations with increased power and stealth.





Applications													.4
Blade Types and Features.													.5
Catalytic Converter Cutters													.6
Mobile Cutters													.7
Mobile Pumps													.9
Stationary Cutters													. 10
Stationan, Dumpa													44

🔶 Contents 🛛 🔂







The Holmatro Industrial Equipment product line includes a wide range of cutting tools specially developed for markets such as recycling, demolition, nuclear industry, foundry and construction. Our experience provides us the technical expertise needed to offer you solutions for almost any cutting application you can think of.

Vehicle Recycling

Thanks to their low weight and the special blade design, Holmatro's mobile cutters are ideal for car recycling. The lightest cutter only weighs 9.4 kg (21 lbs), and the special U-shaped blades pull the material towards the strongest point of the cutter. Therefore, they are perfectly suitable for cutting catalytic converters, exhaust pipes, doors, A- and B-posts, engine mountings, steering columns, bumpers, bull bars and pressed steel wishbones.

Cable Recycling/Production

Cutting cables (ground, telephone, electric and steel) is a challenge on its own. Generally, this type of cable consists of countless small wires and strands which, during cutting actions, often inadvertently get in between the cutter blades. Situations like this cause loss of capacity. Moreover, it has proven to be detrimental to the life span of ordinary cutting tools. Holmatro has developed cutter blades with a special blade guide that keeps the blades straight in relation to each other and prevents them from separating or becoming distorted.

Recycling of Household Appliances

For the recycling of household appliances, such as refrigerators and deep-freezers, Holmatro has developed a special cutter. Its straight blades have the ability to cut and spread, making it easier to remove the compressor quickly without changing tools.











Demolition

In demolition, hundreds of diverse materials need to be removed from buildings of all types. Holmatro cutters are suitable for demolition applications and for handling the most diverse materials. The standard blade is ideal for cutting bigger elements because of the U-shape, which pulls the material towards the strongest point of the cutter. The short blade is more suitable in those situations when less space is available.

Concrete Construction

In order to be able to work with reinforcement steel, very strong equipment is essential. Holmatro electric and hydraulic cutters are up to it! The cutting of reinforcement steel and pre-stressing stands (or re-bars) is done based with hydraulics, which are powerful, quick, safe, accurate and quiet. These cutters are able to cut diameters up to 32 mm (11/4")easily and safely. Major advantages compared to grinding are the absence of sparks and the low noise level.



-5

 $\mathbf{1}$

Which set of cutter blades is the most suitable for your application? Look up the application of your choice in the table below and find out which set of blades corresponds with it. When in doubt, please contact Holmatro. Note that the various cutter blades are interchangeable, extra hardened and regrindable.

Blade Type	Blade Types 🗸 🗸										
type	photo	description	applications								
10 cable		blade with special blade guiding	Cable recycling and production: telephone cables, ground cables, electro cables and steel cables.								
20 short	Je	general short, parrot like blade	Car recycling: catalytic converters, exhaust pipes, doors, A- and B-posts, drive shafts (hollow), engine mountings, steering columns, bumpers, bull bars and pressed steel wishbones.								
30 standard		general standard blade	Foundry: removing risers and feeders from aluminium castings.								
40 straight		blade with cutting teeth and spreading function	Recycling of refrigerators and other household appliances: removing of compressor, cables, profiles.								
60 combi		blade with cutting teeth and spreading / squeezing tips	Demolition: steel plate, strip material, square profiles.								
70 GP		blade with cutting teeth and parrot like end	Demolition: scrap, strip, profiles, frames, etc.								

Cutter Features

User-Friendly and Ergonomic

- Lightweight, easy to use, and designed with a dead man's handle for easy operation and user friendliness
- Operation
 - The speed and mobility of the tools provide excellent efficiency at a safe pace
- Versatile
 - Various, interchangeable blade types available to suit your needs
- Safe
 - Control handle equipped with a dead man's function
 - Protective covering over all moving parts
 - Multiple, redundant safety valves within the system, both in the cutter itself and the pump

Durable and Reliable

- Each tool has been specially developed for industrial purposes



6



Catalytic Cutters										
specifications ICU 05 A 70 ICU 07 A										
working pressure	bar psi	500	7,250							
blade opening	mm in	142 5.6	134 5.3							
cutting force	kN Ibf	176 39,566	197 44,280							
weight, ready for use	kg Ib	9.5 20.9	12.5 27.5							
dimensions - L x W x H	mm in	602 x 210 x 170 23.7 x 8.3 x 6.7	769 x 222 x 178 30.3 x 8.7 x 7							



For recommended pumps please see page 9.









Mobile Cutters

mobile outlers							•		
specifications		ICU 10 A 10	ICU 10 A 20	ICU 10 A 30	ICU 10 A 40	ICU 10 A 60	ICU 10 A 70		
working pressure	bar psi		500 7,250						
cutting opening	mm in	134 5.3	140 5.5	158 6.2	296 11.7	228 9	236 9.3		
spreading opening	mm in	-	-	-	305 12	362 14.3	312 12.3		
cutting force	kN bf	242 54,404	234 52,605	246 55,303	264 59,350	264 59,350	264 59,350		
weight ready for use	kg lb	17.3 38.1	15.5 34.2	15.3 33.7	15.4 34	15.6 34.4	16.1 35.5		
dimensions (L x W x H)	mm in	735 x 230 x 177 28.9 x 9.1 x 7	761 x 230 x 177 30 x 9.1 x 7	696 x 230 x 177 27.4 9.1 x 7	739 x 230 x 177 29.1 x 9.1 x 7	767 x 230 x 182 30.2 x 9.1 x 7.2	751 x 230 x 177 29.6 x 9.1 x 7		



For recommended pumps please see page 9.









lat

ICU 40 A 20

ICU 40 A 30

Mobile Cutters 🗸											
specifications		ICU 5 A 10	ICU 5 A 30	ICU 5 A 60	ICU 5 A 70	ICU 40 A 20	ICU 40 A 30				
working pressure	bar psi		500 7,250								
cutting opening	mm in	95 3.7	98 3.9	191 7.5	142 5.6	102 4	181 7.1				
spreading opening	mm in	-	-	266 10.5	-	-	-				
cutting force	kN lbf	104 23,380	124 27,876	172 38,667	176 39,566	594 133,537	644 144,777				
weight ready for use	kg lb	10.3 22.7	9.4 20.7	10.4 22.9	9.5 20.9	19 41.9	19.4 42.8				
dimensions (L x W x H)	mm in	630 x 210 x 170 24.8 x 8.3 x 6.7	580 x 210 x 170 22.8 x 8.3 x 6.7	655 x 210 x 170 25.8 x 8.3 x 6.7	602 x 210 x 170 23.7 x 8.3 x 6.7	720 x 270 x 218 28.3 x 10.6 x 8.6	775 x 270 x 218 30.5 x 10.6 x 8.6				



For recommended pumps please see page 9.

8











9

IPU 2035 PH

IPU 2035 E

IPU 60 PH

IPU 60 E

L

IPU 2035 - Single Tool Operation

specifications		IPU 2035 PH	IPU 2035 E 115V	IPU 2035 E 230V	IPU 2035 E 230V explosion proof	IP 2035 E 480V				
max. working pressure	bar psi		500 7,250							
motor / engine		Honda, 4 stroke, 3 hp gasoline engine	115V, 1.5 hp, 60 Hz	230V, 1.5 hp, 1.1 kW	230V, 1.5 hp, 1.1 kW explosion proof*	460V, 1.5 hp, 1.1 kW				
usable hydraulic oil	cc qt	2,000 2.1								
output 1st stage	cc/min in³/min	2,400 2,270 146 139								
output 2nd stage	cc/min in³/min	700 43	574 35							
weight, ready for use	kg lb	27 60	34 74.5 28.3 63			23.3 52				
dimensions - L x W x H	mm in	442 x 353 x 470 17.4 x 13.9 x 18.5	496 x 366 x 397 19.5 x 14.4 x 15.6							

*Class 1: Groups C & D, Class 2: Groups F & G with Conduit Box

$\mathbf{1}$ **IPU 60 - Multi Tool Operation** IPU 60 E 230V **IPU 60 E IPU 60 E** specifications **IPU 60 P IPU 60 PH** 115V 230V explosion proof max. working pressure bar psi 500 7,250 Briggs & Stratton, Honda, 4 stroke, 115V, 2.0 hp, 230V, 2.0 hp, 230V, 2.0 hp, 60 HZ motor / engine 4 stroke, 5 hp 5 hp gasoline 60 HZ 60 HZ explosion proof* gasoline engine engine usable hydraulic oil 4,000 4.2 cc qt cc/min 2 x 2,200 output 1st stage in³/min 2 x 134 2 x 490 cc/min output 2nd stage in³/min 2 x 30 50 110 weight, ready for use kg lb 47 103 48 106 50 110 53.6 118 502 x 400 x 553 mm dimensions - L x W x H 9.8 x 15.8 x 21.8 in

*Class 1: Groups C & D, Class 2: Groups F & G with Conduit Box





Stationary Cutters											
specifications		ICU 20 S 10	ICU 20 S 20	ICU 20 S 30	ICU 20 S 40	ICU 20 S 60	ICU 20 S 70				
working pressure	bar psi		500 7,250								
cutting opening	mm in	134 5.3	140 5.5	158 6.2	296 11.7	228 9	236 9.3				
spreading opening	mm in	-	-	-	305 12	362 14.3	312 12.3				
cutting force	kN Ibf	242 54,404	234 52,605	246 55,303	264 59,350	264 59,350	264 59,350				
weight ready for use	kg Ib	28.5 62.8	26.7 58.9	26.6 58.6	26.6 58.6	26.9 59.3	27.3 60.2				
dimensions (L x W x H)	mm in	692 x 361 x 312 27.2 x 14.2 x 12.3	628 x 361 x 312 24.7 x 14.2 x 12.3	651 x 361 x 312 25.6 x 14.2 x 12.3	639 x 361 x 312 25.2 x 14.2 x 12.3	723 x 361 x 312 28.5 x 14.2 x 12.3	707 x 361 x 312 27.8 x 14.2 x 12.3				



Features

- Steel Construction for Longer Life
 Safe
 - tools can only be operated by using both hands

 $\mathbf{1}$

- equipped with a dead man's function
- moving parts are shielded
- Ergonomic
- Mounted on balancer for easy operation
- Available in Horizontal or Vertical (shown) Orientation
- For recommended pumps please see page 11.





Features

- High Operating Speed
 - 2-stage pump
- Safe
 - In case of power failure, the system will become pressureless
 - Protected against pressure drop by non-return valve in return port



Maintenance kits available.

IPU 14 W 25 E

Stationary Pumps

specifications		IPU 14 W 25 E	IPU 14 W 50 E	IPU 21 W 25 E	IPU 21 W 50 E				
max. working pressure	bar psi	500 7,250							
motor		115V, 1.5 kW, 6	0 Hz, 2hp, 1 Ph	230V, 2.2 kW, 60 Hz, 3hp, 1 Ph					
usable hydraulic oil	ℓ qt	25 26.4	50 52.8	25 26.4	50 52.8				
output 1st stage	cc/min in³/min	3,2 19	200 95	5,000 305					
output 2nd stage	cc/min in³/min	1,2 7	200 3	1,8 1(300 09				
weight, ready for use	kg lb	85 187.4	85 187.4 115 253.5		117 257.9				
dimensions - L x W x H	mm in	528 x 400 x 774 20.8 x 15.7 x 30.5	528 x 400 x 909 20.8 x 15.7 x 35.8	528 x 400 x 774 20.8 x 15.7 x 30.5	528 x 400 x 909 20.8 x 15.7 x 35.8				

Gantry Features

- Mobile or stationary suspension point
- Adjustable feet for leveling
- **Available Options**
 - Balancer
 - Casters
 - Electric cord reel
 - Push handle (not shown)
- **Measurements** (without casters)
 - Bottom plate: 1,000 x 1,000 mm | 39.4 x 39.4 inches
 - Total height: 3,190 mm | 125.5 inches
 - Height suspension point: 2,700 mm | 106.3 inches
- Arm length: 2,000 mm | 78.8 inches





> Stationary Pumps

11

 $\mathbf{1}$



www.holmatro.com

Holmatro USA

505 McCormick Drive Glen Burnie, MD, 2106⁻ tel: 410-768-9662 fax: 410-768-4878

© Holmatro[®] 2016 - 0309 - 988.000.023 - Technical modifications reserved.