



KINGSLAND

for impressive performances



**HYDRAULIC
STEELWORKER**

Compact 50, 65, 80

HYDRAULIC STEELWORKERS

COMPACT 50, 65, 80

The Compact 50, 65 and 80 are universal and compact hydraulic steelworkers. They are equipped with five workstations, developed for production purposes with maximum efficiency as a result of years of continuous improvement and innovation.

The Compact machines are designed, well-engineered and manufactured for a long working life using our long experience in the manufacturing of hydraulic machinery.

Features

- universal bolster for punching flat bar, angle iron and the flange of channel and/or beam
- punching up to 38 mm in the standard execution
- optional large hole attachment for punching up to 110mm diameter
- heavy duty support table on the punch, shear and the notch station fitted as standard with the same working height
- inch mode and adjustable stroke on every station
- unique 'Z'-aperture enables the cutting of angle iron in every angle, varying from 45° up to 90°, both internal and external (both flanges). Cutting flanges from large-sized angle-iron can be mitre cut with the shear (see capacities)
- extensive range of applications - tube notching, bending, bar-end cropping, special shape punching
- rectangular and triangular notching applications. The notching station can be transformed into a secondary punching station
- extended safety features as standard
- centralised lubrication
- high quality interchangeable bearings, brand-name seals and valves available from stockists
- machines with low maintenance requirements
- single-phase execution available on the C50 and C65
- possibility to use tooling from other brand names (adaptors may be required but are available)



Standard equipment

- punch adaptors
- swing away punch stripper unit
- easy change punch holder
- universal die bolster
- heavy-duty support tables with guides at shear and punch stations
- heavy-duty support table with guides at notch station
- curved shear arm-blade with 2 (optional: 4) cutting edges
- shear body blade with 4 cutting edges
- section arm & body blade with 1 cutting edge
- angle cutting arm & body blades with 4 cutting edges
- rectangular notch bolster blades with 4 cutting edges
- 1-metre ruled length stop
- service toolkit
- work station guards
- instruction, operating and maintenance manual
- special central pin, play-free on frame



Extensive range of standard equipment

The universal steelworkers are delivered with an extensive range of standard equipment, such as large heavy-duty tables on the punch, shear, and notching station. Comprehensive safety guards are fitted as standard on all work stations. Easily adjustable hold-downs to enable safe and accurate production are fitted on every station. Free-standing on a suitable floor, these steelworkers only need an electrical connection and oil to be ready for work.

Five Workstation Types



■ Punch Station

The easy tool change system and swing-away stripper with fast manual adjustment assures a quick setup and is designed for a wide range of punching applications.



■ Section Cutting Station

The machines are fitted as standard with blades for cutting round and square bars. With extra equipment in this aperture, the machines are able to cut channel, beams or joist, T-section and many other special profiles.



■ Angle Station

Cropping angle iron is possible for every angle between 45° and 90°, both internal and external.



■ Shearing

Specially designed blade approach angle to avoid the necessity to change blade settings when cutting thick or thin material and yet offer minimum distortion cropping.



■ Notching Station

This versatile station is standard equipped with a rectangular notch unit. The notch table has adjustable back and side stops. Side notch applications are also possible.

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Shielded foot control

The hydraulic circuit is activated by a shielded foot-pedal. The inch mode on each workstation enables the correct work piece positioning and tool alignment. Limit switches allow accurate adjustment of the stroke length for maximum efficiency. Stroke with automatic return.

Angle cutting

On the angle cutting station, angle iron can be cut on every angle from 45° up to 90°, both internal and external, without any adaptations to the machine. Flanges from larger angle iron can be mitre cut with the shear.

Low maintenance

Moreover, the machines are equipped with centralised pressure lubrication, being only one feature of the low maintenance requirements

NOTCHING STATION APPS



■ Regular Notching Station (standard)

- the notching station comes equipped with a rectangular notch unit as standard, complete with table and guides
- the unit can be interchanged optionally with a triangular notching unit (available with angle from 22.5° up to 90°)



■ For Bending Applications (optional)

- maximum capacity is 150 x 12 mm (Compact 50)
- maximum capacity is 150 x 12 mm (Compact 65)
- maximum capacity is 150 x 12 mm (Compact 80)

PUNCH STATION APPS



■ Standard Punch End (standard)

- easy tool change system
- overhang position for punching in the flange of I-profiles and U-profiles
- punching up to 38 mm diameter in the standard execution
- Table with guide stops fitted as standard



■ Large Hole Attachment (optional)

- large hole unit for diameters of up to 110 mm
- special shapes and applications are also possible



■ Quick Change Punch Holder (optional)

- quick, fast and accurate punch holder
- available up to 38 mm diameter



■ Channel/Beam Web Bolster (optional)

- specially designed bolster for punching in the web of channel or beam
- bolsters for special profiles on demand

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ANGLE STATION APPS



■ Angle Iron Cutting (standard)

- unique 'Z' aperture makes it possible to cut angle iron from 45° up to 90°
- both internal and external



■ Angle Iron Cutting (standard)

- angle iron mitring

Also available in the **KINGSLAND STEELWORKER RANGE**

MULTI



- 2 operators, 5 work stations
- double cylinder
- standard or deep throat
- 60, 70, 80, 95, 125, 140 & 175 ton

PUNCHING



- 1 or 2 operators
- 1 or 2 cylinders
- standard or deep throat
- 50, 60, 70, 80, 95, 125, 140 & 175 ton

PRESS



- 1 station
- single cylinder
- standard throat
- available in special formats
- 50, 80, 110, & 200 ton

SHEARING STATION APPS

SECTION CUTTING APPS



■ Flat Bar & L-Profile Flange Cropping

- Heavy duty table with adjustable guides
- under angle: $\pm 45^\circ$ permanent guide lines



■ Special Blades for Cropping Channels (opt.)

- I-beam and T-section blades also available in different sizes. Blades for special profiles on demand

CNC PUNCH CUTTING LINE



- CNC punch
- tool changer: 3 or more tools
- multi as CNC shear station (in picture above)
- rotating shear $\pm 45^\circ$ available
- marking unit available

DRILLFLEX



- box sections, I, U, T profiles
- from 30 up to 1100mm
- tool changer ISO40 or 50
- drilling, milling
- rigid tapping
- DSTV compatible

TOOLING



- genuine Kingsland tooling
- other brand tooling
- special tooling
- made in Sheringham, UK
- unique vacuum oven hardened
- customised R&D for tooling

Kingsland COMPACT Hydraulic Steelworker Range

		C50	C65	C80
PUNCHING	Maximum Capacity (mm)	23x15	30x15	28x20
	Diameter x Thickness (mm)	38x9	38x12	38x14
	Stroke Length (mm)	55	55	55
	Standard Throat Depth (mm)	220	220	220
	Largest Hole (standard)	38	38	38
	Largest Hole (optional)	110	110	110
	Maximum Section	160	160	160
	Working Height (mm)	940	940	990
SHEARING	Flat Bar - Max thickness (mm)	200x15	200x20	200x20
	Flat Bar - Max width (mm)	300x13	300x15	300x15
	Angle Flange Trim	80x10	80x10	80x10
	Working Height (mm)	940	940	990
ANGLE CUTTING	90° cut	100x10	120x12	120x12
	45° mitre max 45°	70x6	80x8	80x8
	Working Height (mm)	1140	1140	1190
SECTION CUTTING	Round / Square	35/30	40/35	40/35
	Channel / Beam	102x51	102x51	102x51
	Tee	76x10	76x10	76x10
NOTCHING	Material Thickness (mm)	10	10	12
	Width - Rectangular (mm)	42	42	42
	Depth - Rectangular (mm)	90	100	100
	Depth - Vee (mm)	60	60	60
	Angle flange	90x10	100x10	100x12
	Working Height (mm)	940	940	990
CORNER NOTCH	Maximum Capacity	150x3	150x4	150x4
TUBE NOTCH	Maximum Diameter (mm)	60	60	60
BENDING	Bar Bending (max capacity)			
	Sheet Bending (max capacity)	150x5	150x5	150x5
	Bar Bending on Notch End	150x12	150x12	150x12
NOTCH STATION PUNCHING	Throat Depth (mm)	110	110	110
	Maximum Capacity	18x12	20x12	24x12
TECHNICAL DATA	Motor Power (Kw)	3.7	4	5.5
	Net Weight (Kg)	1245	1265	1290
	Gross Weight (Kg)	1365	1385	1410
	Machine Dimensions (LxWxH, cm)	152x59x170	152x59x170	152x59x175
	Packed dimensions (LxWxH, cm)	166x77x190	166x77x190	166x77x195

Illustrations, dimensions & weights are not binding as designs are constantly being reviewed.



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