

k+7 CNC

EASIER THAN YOU THINK



PLASMA AND PLASMA-GAS CNC CUTTERS



Silver

PLASMA



PRECISION AND SPEED OF CNC MACHINES IN YOUR WORKSHOP

Economical and compact plasma cutters for many applications in 2 sizes.

The ideal solution for those looking to automate sheet metal and profile cutting processes and to obtain higher precision and efficiency when it comes to part preparation. With its compact design and very small size, the machine can be installed practically in any room, while the use of a water dust absorber system makes expensive filtration and ventilation systems unnecessary, ensuring high work comfort during the entire machine lifetime.

Intuitive operation



Versatility



Work ergonomics



Table load capacity



Reliable operation



Kt7 Silver plasma cutters mean

- ✦ Precise computerised numerical control of the plasma arc torch.
- ✦ Integration with a 45-125A plasma source.
- ✦ Small size and compact design of the working table.
- ✦ Simple and intuitive software.
- ✦ Water table that cools down the material and absorbs technical dust – no need for expensive ventilation systems.
- ✦ Robust and galvanised structure, manufactured in series.
- ✦ Table load capacity up to 2,500 kg without additional foundations.
- ✦ Stop&Go system for the simulation of the cutting process, easy start, manual cutting.
- ✦ Integrated control panel with tempered glass protection
- ✦ Remote connection to the desktop via a mobile application and for diagnostic purposes (option).
- ✦ Working area available in sizes S and M

By choosing Kt7 Silver you get

- ✦ High cutting precision.
- ✦ Repeatability of every part.
- ✦ Unlimited part preparation possibilities with intuitive software.
- ✦ Unrivalled work comfort and speed compared to manual cutting.
- ✦ Independence from the availability of highly skilled staff or subcontractors.
- ✦ Full induction training during machine start-up
- ✦ Intuitive machine that does not require specialist knowledge.
- ✦ Safety ensured by the availability of the service centre of the Polish manufacturer that employs its very own solutions.



Basic technical data	Silver S	Silver M
Work area size	1000 x 2000 mm	1500 x 3000 mm
Table load capacity	1 500 kg	2 500 kg
Advanced control system	Yes	Yes
Thickness of cut material	Depending on the plasma source (1-57 mm)	
Cutting speed	Depending on material thickness, material type and cutting system	
Exhaust and filtration system required	No	No
Control panel		
Desktop type	Adjustable	Adjustable
Display	LCD 20"	LCD 20"
External USB ports	2	2
Wi-Fi support	Optional	Optional
CutApp remote control	Optional	Optional
Design data		
Dimensions	1540 x 2600 x 1280 mm	2040 x 3700 x 1280 mm
Galvanised body	Yes	Yes
Interchangeable grate	Yes	Yes
Stainless steel tank	No	No
Machine levelling system	4-point	6-point
Connection of the machine to the ground	No	No
Net weight	600 kg	700 kg
Weight of a machine ready for operation	820 kg	1200 kg

Speed²

PLASMA



INCREASE YOUR PRODUCTIVITY TO AN UNPRECEDENTED LEVEL

A versatile plasma cutter for industrial applications that will enhance any metal cutting process. The universal dimensions and increased load capacity of the work table ensure optimised cutting processes and the highest precision, while the ergonomics of the machine guarantee ease of operation. The use of plasma cutters up to 125 A makes it possible to cut metals with a thickness ranging from 1 to 57 mm.

Intuitive operation

Versatility

Work ergonomics

Table load capacity

Reliable operation

Kt7 Speed² plasma cutters mean

- ✦ Precise computerised numerical control of the plasma arc torch
- ✦ Integration with a plasma source up to 125A
- ✦ Increased table load capacity and extension of the gate's arm
- ✦ Easy material insertion due to ball fixing point in the machine axis
- ✦ Lubrication system for the X axes' guides for easy maintenance and ensuring extended service life
- ✦ Quick Start - machine ready in less than 1 minute
- ✦ Stop&Go system - allows for the simulation of the cutting process, easy start, manual cutting
- ✦ Sheet metal detection system
- ✦ Simple and intuitive software
- ✦ Water table for cooling the material and absorbing contaminants
- ✦ Robust, galvanised, mass-produced
- ✦ Table load capacity up to 4,000 kg without additional foundations
- ✦ Mobile control panel protected by tempered glass with a cabinet for consumables

By choosing Kt7 Speed² you get

- ✦ Significant reduction in cost per part
- ✦ Increase production capacity due to the high machine capacity
- ✦ Unlimited possibilities of part creation through the use of computer-aided design
- ✦ Ergonomic and functional design developed by a team of skilled mechanical, automation and software engineers
- ✦ Full implementation training during machine start-up
- ✦ Support of our service during the warranty period as well as after its expiration
- ✦ Possibility to remotely connect to the desktop via a mobile application and for diagnostic purposes



Basic technical data	Speed ² L
Work area size	1500 x 3000 mm
Table load capacity	4 000 kg
Advanced control system	Yes
Thickness of cut material	Depending on the plasma source (1-57 mm)
Cutting speed	Depending on material thickness, material type and cutting system
Exhaust and filtration system required	No
Control panel	
Desktop type	Mobile
Display	LCD 20"
External USB ports	2
Wi-Fi support	Yes
CutApp remote control	Optional
Design data	
Dimensions	2040 x 3700 x 1280 mm
Galvanised body	Yes
Interchangeable grate	Yes
Stainless steel tank	Yes
Machine levelling system	6-point
Connection of the machine to the ground	No
Net weight	800 kg
Weight of a machine ready for operation	1300 kg

VolCut

PLASMA & GAS



CUT ANY SHEET METAL WITH NO LIMITS

Be independent and take your industrial processes to a previously unattainable level. Use a plasma or gas torch depending on the thickness of the material to be cut.

VolCut industrial multifunctional plasma and gas cutters are the perfect solution for those who appreciate the speed of plasma cutters with the possibility of cutting workpieces up to 150 mm thick with oxy-fuel torches while maintaining the precision of every part. The interchangeable burner mounted on a magnetic quick-release coupling gives you the possibility to retool the machine in one move, and the well-thought-out design ensures the load capacity of the work table of up to 10,000 kg. The compact design combined with the mobile control panel provides unrestricted access to the table from all sides and facilitates work.

Intuitive operation

Versatility

Work ergonomics

Table load capacity

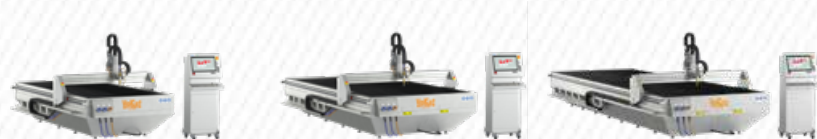
Reliable operation

KT7 VolCut plasma and gas cutters mean

- ✦ Advanced computer numerical control
- ✦ Two cutting systems - plasma arc and oxy-fuel torch
- ✦ Very high table load capacity
- ✦ Minimal machine dimensions compared to the size of the work table
- ✦ Lubrication system for the X and Y axes' guides for easy maintenance and ensuring extended service life
- ✦ Double-sided gate's drive on gear racks
- ✦ Quick Start - machine ready in less than 1 minute
- ✦ Stop&Go system - allows for the simulation of the cutting process, easy start, manual cutting
- ✦ Sheet metal detection system
- ✦ Simple and intuitive software
- ✦ Stainless steel water table allowing to absorb contaminants which make expensive filtration and ventilation system unnecessary
- ✦ Robust, galvanised, mass-produced
- ✦ Table load capacity from 6,000 to 10,000 kg
- ✦ Mobile control panel with storage cabinet for consumables, equipped with industrial keyboard and keypad.
- ✦ Possibility to remotely connect to the desktop via a mobile application and for diagnostic purposes
- ✦ Working area available in sizes L, XL and XXL

By choosing kt7 VolCut you get

- ✦ Significant reduction in cost per part
- ✦ Increase production capacity due to the high machine capacity
- ✦ Unlimited possibilities of part creation through the use of computer-aided design
- ✦ Ergonomic and functional design developed by a team of skilled mechanical, automation and software engineers
- ✦ Full implementation training during machine start-up
- ✦ Support of our service during the warranty period as well as after its expiration



Basic technical data	VolCut L	VolCut XL	VolCut XXL
Work area size	1500 x 3000 mm	2000 x 4000 mm	2000 x 6000 mm
Table load capacity	6.000 kg	8.000 kg	10.000 kg
Advanced control system	Yes	Yes	Yes
Thickness of cut material	Up to 150 mm with oxy-fuel torch		
Cutting speed	Depending on material thickness, material type and cutting system		
Exhaust and filtration system required	No	No	No
Control panel			
Desktop type	Mobile	Mobile	Mobile
Display	LCD 20"	LCD 20"	LCD 20"
External USB ports	2	2	2
Wi-Fi support	Yes	Yes	Yes
CutApp remote control	Yes	Yes	Yes
Design data			
Dimensions	2190 x 3880 x 1450 mm	2490 x 4880 x 1450 mm	2490 x 6880 x 1450 mm
Galvanised body	Yes	Yes	Yes
Interchangeable grate	Yes	Yes	Yes
Stainless steel tank	Yes	Yes	Yes
Machine levelling system	8-point	10-point	12-point
Connection of the machine to the ground	No	No	No
Net weight	820 kg	1300 kg	1600 kg
Weight of a machine ready for operation	1320 kg	2900 kg	4000 kg



CutApp



**GO TO THE NEXT LEVEL
OF OPERATING CNC MACHINES**

The CutApp app turns any mobile device into a remote control for your Kt7 CNC plasma cutter. You can control the machine from anywhere without having to work directly at your desktop. This solution will allow you to select your cutting parameters even more precisely in real time.

CutApp is compatible with any Kt7 CNC cutter, whether plasma or plasma and gas one. The software is a colossal step towards even better, more efficient and ergonomic operation of CNC machines. It is a fully functional dashboard that can be carried in your pocket, available for all mobile platforms.

The remote control provides an excellent support for operators already working with Kt7 CNC solutions, as well as for those taking their first steps in the field. CutApp can be installed on any phone or tablet. The two-way communication between the Kt7 CNC and the software is completely secure and interference-free, giving you full control of the machine in real time

With remote control, you get

- + more precise machine setting;
- + control from anywhere,
- + additional emergency stop,
- + real-time monitoring of the machine,
- + full control of the cutting process (voltage/speed),
- + option of manual control.

CutApp means

- + start and stop of the programme at any time,
- + reference positioning of a cutter with RBE system,
- + smooth change of voltage value and cutting speed,
- + possibility of manual control of X, Y, Z axes,
- + change of cutting system in case of plasma and gas cutters,
- + additional emergency STOP button



Scan and install the app from Google Play

Turn your phone or tablet into a remote control for any Kt7 CNC machine and install CutApp software easily.

The CutApp remote control works with below Kt7 CNC cutters



Silver S*



Silver M*



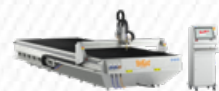
Speed² L*



VolCut L



VolCut XL



VolCut XXL

*1) CutApp supports Kt7 CNC cutters equipped with a Wi-Fi or Bluetooth communication module

TRUST THE YEARS OF EXPERIENCE

Plasma is one of the most popular metal cutting methods in the world for one important reason: it perfectly balances quality, speed and cost of cutting.

Hypertherm is an American manufacturer of the finest plasma cutters in the world, which developed a way to create a narrower plasma arc that cuts metal with unprecedented speed and accuracy as early as 1968. Hypertherm's Powermax® air plasma cutter is designed to withstand harsh industrial environments, making it perfect for automated cutting and gouging of any conductive metal. Depending on system size, it offers a cutting capacity of up to 57 mm at 125 A. Choose a Powermax® system with a recommended capacity that corresponds to the thickness of the metal you will be cutting at least 80% of the time. Hypertherm cutters ensure: high accuracy and quality cuts and long service life of spare parts. It's a safe investment in the equipment: 3-year warranty on the plasma cutter and one year for the plasma torch.

With Hypertherm Powermax® you get






- + maximum productivity,
- + lower operating costs,
- + ease of cutting and gouging operation,
- + a solution developed for demanding tasks.

Hypertherm®


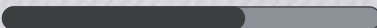
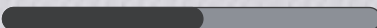


The world leader in plasma cutting technology™



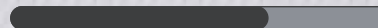
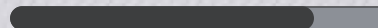
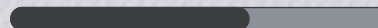
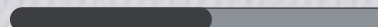
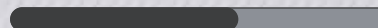
Hypertherm Powermax45 XP

Maximum power		45 A
Mild steel piercing cut		12 mm
Cutting from the edge of mild steel		25 mm
Work cycle 100% (40°C)		32A
Work cycle at maximum power (40°C)		50%

Hypertherm Powermax65

Maximum power		65 A
Mild steel piercing cut		16 mm
Cutting from the edge of mild steel		32 mm
Work cycle 100% (40°C)		46A
Work cycle at maximum power (40°C)		50%

Hypertherm Powermax85

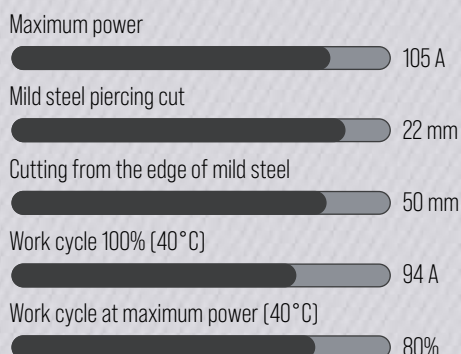
Maximum power		85 A
Mild steel piercing cut		20 mm
Cutting from the edge of mild steel		38 mm
Work cycle 100% (40°C)		66 A
Work cycle at maximum power (40°C)		60%

CUT WITH PLASMA LIKE NEVER BEFORE

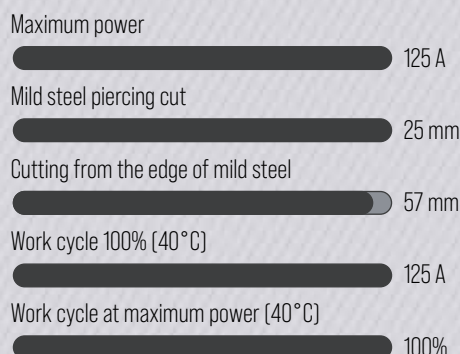
Lavva PowerPlasma is a line of plasma cutters designed for professional applications, delivering the highest reliability in the most demanding environments. Maximum productivity associated with the possibility of continuous operation at 100% capacity for the maximum power of the cutter ensures that there are no interruptions needed for cooling the entire system. The ability to cut materials up to 18 mm without the formation of slag (for air/air gases) provides additional time savings on subsequent machining of the cut pieces. Piercing through material up to 25mm thick and cutting the material up to 60mm thick gives you the freedom and independence of choice concerning the material, while long-life consumables reduce the costs associated with keeping your cutting system operational for a long time. Lavva PowerPlasma cutters in combination with Lavva PowerTorch torches will ensure precise cutting of carbon steel, low alloy steel, aluminium, brass and copper.



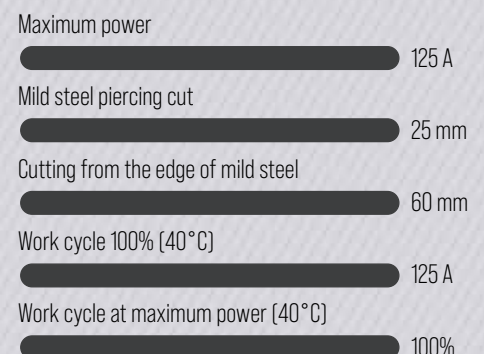
Hypertherm Powermax105



Hypertherm Powermax125



Lavva PowerPlasma 125



PLASMA STREAM UNDER APPROPRIATE PRESSURE

A factor which must not be overlooked in plasma cutting is the quality of compressed air. To ensure the proper operation of the plasma cutter, a compressor with sufficient capacity is required. The compressed air should also be properly prepared: dried and deoiled. For this purpose, special air preparation blocks are used.

The value of compressed air consumption is affected by the power of the plasma cutter and the type and design of the plasma holder (torch design, cutting nozzle diameter, design of gas diffuser). It is assumed that a plasma cutter needs between 150-300 l/min to work properly. The air cleanliness should be at least class IV. Poorly prepared compressed air has a negative impact on the cutting process and the service life of the plasma cutter's wearing parts. Screw compressors are increasingly used as a source of compressed air. Thanks to their design using high-quality materials and high efficiency, they are becoming a preferable source of energy.

One of the main advantages of these compressors is their quiet operation. All leading manufacturers of plasma cutters indicate that screw compressors with integrated refrigeration dryers and pre-filter are the best solution for their equipment.



GudePol GD-HIT3G 7/10/500VT

Maximum power: 5,5 kW

Operating pressure: 10 bar

Capacity m³/min: 0,75

Air preparation unit: Yes

Tank: 500 L

Noise level: 68 db(A)

Weight: 237 kg

Dimensions [L x H x W]: 1950 x 650 x 1350 mm



GudePol GD-SMART 11/10/500VT

Maximum power: 11 kW

Operating pressure: 10 bar

Capacity m³/min: 1,5

Air preparation unit: Yes

Tank: 500 L

Noise level: 70 dB(A)

Weight: 415 kg

Dimensions [L x H x W]: 1980 x 770 x 1420 mm



Walter SKTG 5,5 COMBO

Maximum power: 5,5 kW

Operating pressure: 7,5 / 8 / 10 / 13 bar

Capacity m³/min: 0,8 / 0,77 / 0,65 / 0,53

Air preparation unit: Yes

Tank: 500 L

Noise level: 69 dB(A)

Weight: 328 kg

Dimensions [L x H x W]: 1842 x 550 x 1310 mm

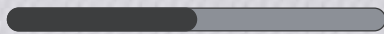
Next generation screw compressors will get you:

- ✦ Energy-saving solution related to the use of a highly energy-efficient compression stage
- ✦ Reliable operation and low operating costs resulting from the quality and durability of the components used, as well as high-quality workmanship .
- ✦ Ease of use resulting from the implementation in accordance with the philosophy of „plug & play” and „user friendly”. The possibility of immediate use of the device without complicated installation work, as well as an advanced electronic controller that manages and supervises the operation of the machine. They minimize the amount of attention that the user has to devote to the production of compressed air in his company.
- ✦ The high quality of the compressed air produced and a very low noise level are other advantages of the devices.

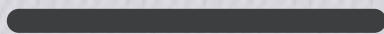


Walter SKTG 7,5 COMBO

Maximum power: 7,5 kW



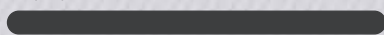
Operating pressure: 7,5 / 8 / 10 / 13 bar



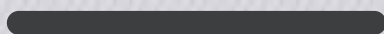
Capacity m³/min: 1,15 / 1,11 / 0,95 / 0,77



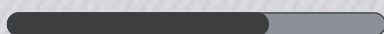
Air preparation unit: Yes



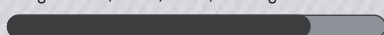
Tank: 500 L



Noise level: 69 dB(A)



Weight: 408 / 408 / 408 / 437 kg

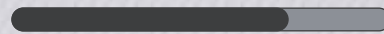


Dimensions [L x H x W]: 1886 x 550 x 1612 mm

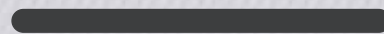


Walter SKTG 11 COMBO

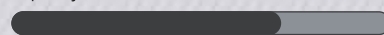
Maximum power: 11 kW



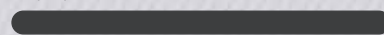
Operating pressure: 7,5 / 8 / 10 / 13 bar



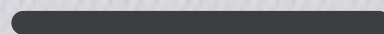
Capacity m³/min: 1,70 / 1,62 / 1,40 / 1,16



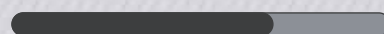
Air preparation unit: Yes



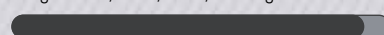
Tank: 500 L



Noise level: 69 dB(A)



Weight: 477 / 477 / 477 / 506 kg

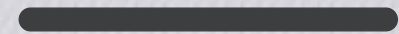


Dimensions [L x H x W]: 1882 x 650 x 1602 mm

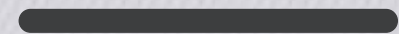


Walter SKTG 15 COMBO

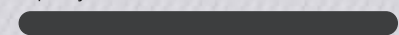
Maximum power: 15 kW



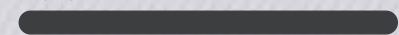
Operating pressure: 7,5 / 8 / 10 / 13 bar



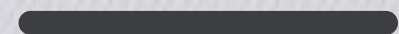
Capacity m³/min: 2,25 / 2,17 / 1,96 / 1,61



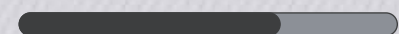
Air preparation unit: Yes



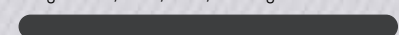
Tank: 500 L



Noise level: 69 dB(A)



Weight: 510 / 510 / 510 / 539 kg



Dimensions [L x H x W]: 1882 x 650 x 1602 mm



	Silver S	Silver M	Speed² L
Cutting system	plasma	plasma	plasma
Work area size	1000 x 2000 mm	1500 x 3000 mm	1500 x 3000 mm
Table load capacity	1 500 kg	2 500 kg	4 000 kg
Advanced control system	Yes	Yes	Yes
Thickness of cut material	Depending on the plasma source [1 - 57 mm]		
Cutting speed	Dependent on the plasma source		
Exhaust and filtration system required	No	No	No
Possibility to cut pipes without a swivel	Yes*	Yes*	Yes*
Possibility to cut outside the work table area	No	No	for an additional charge
Mobile Control panel	for an additional charge	for an additional charge	Yes
Remote diagnostics	for an additional charge	for an additional charge	Yes
Remote control	for an additional charge	for an additional charge	for an additional charge
Transmission of the gate's drive	HDT	HDT	HDT
Adopted solutions			
THC controller	Yes	Yes	Yes
Water Dust Absorber	Yes	Yes	Yes
Leveling System Chamfering Gates	Yes	Yes	Yes
Dynamic Referencing	Yes	Yes	Yes
Rotary Basing Edge	Yes	Yes	Yes
Torch Sensor Control	Yes	Yes	Yes
Stop&Go	Yes	Yes	Yes
Quick Start	Yes	Yes	Yes
Sheet metal detection system	No	No	Yes
Lubrication system for the axes	No	No	X-axis
Control panel			
Desktop type	Adjustable	Adjustable	Mobile
Display	LCD 20"	LCD 20"	LCD 20"
External USB ports	2	2	2
Wi-Fi support	Optional	Optional	Yes
Integrated keyboard and trackball	No	No	Optional
CAD Software	Yes	Yes	Yes
CAM Software	Yes	Yes	Yes
Cutting management software	Yes	Yes	Yes
Predefined material settings and setpoints	Yes	Yes	Yes
CutApp remote control	Optional	Optional	Optional
Design data			
Width	1 540 mm	2 040 mm	2 040 mm
Depth	2 600 mm	3 700 mm	3 700 mm
Height	1 280 mm	1 280 mm	1 280 mm
Galvanised body	Yes	Yes	Yes
Interchangeable grate	Yes	Yes	Yes
Stainless steel tank	No	No	Yes
Torch failure protection	Yes	Yes	Yes
Machine levelling system	4-point	6-point	6-point
Connection of the machine to the ground	No	No	No
Net weight	600 kg	700 kg	750 kg
Weight of a machine ready for operation	820 kg	1 200 kg	1 250 kg

THC controller - torch height control based on the arc voltage

Water Dust Absorber - minimised fume generation by using water as an absorbent [water table]

LSCG - Leveling System Chamfering Gates - system for automatic gate levelling

DR - Dynamic Referencing - dynamic indication of point O.O, which makes work easier and is useful when working with unusual formats or cutting waste

RBE - Rotary Basing Edge - innovative reference positioning in relation to sheet metal - no need to position the material perpendicularly/parallel to the table

TSC - Torch Sensor Control - unique double-positioning system, additionally protecting the torch against accidental damage

Heavy Duty Tape - Maintenance-free drive transmission using reinforced industrial belts



VolCut L	VolCut XL	VolCut XXL
plasma-gas	plasma-gas	plasma-gas
1500 x 3000 mm	2000 x 4000 mm	2000 x 6000 mm
6.000 kg	8.000 kg	10.000 kg
Yes	Yes	Yes
Up to 150 mm with oxy-fuel torch		
depending on material thickness, material type and cutting system		
No	No	No
Yes*	Yes*	Yes*
No	No	No
Yes	Yes	Yes
Yes	Yes	Yes
Yes	Yes	Yes
gear racks	gear racks	gear racks
Yes	Yes	Yes
Yes	Yes	Yes
Yes	Yes	Yes
Yes	Yes	Yes
Yes	Yes	Yes
Yes	Yes	Yes
Yes	Yes	Yes
Yes	Yes	Yes
X and Y axes	X and Y axes	X and Y axes
Mobile	Mobile	Mobile
LCD 20"	LCD 20"	LCD 20"
2	2	2
Yes	Yes	Yes
Yes	Yes	Yes
Yes	Yes	Yes
Yes	Yes	Yes
Yes	Yes	Yes
Yes	Yes	Yes
Yes	Yes	Yes
2 190 mm	2 490 mm	2 490 mm
3 880 mm	4 880 mm	6 880 mm
1 450 mm	1 450 mm	1 450 mm
Yes	Yes	Yes
Yes	Yes	Yes
Yes	Yes	Yes
Yes	Yes	Yes
8-point	10-point	12-point
No	No	No
820 kg	1 300 kg	1 600 kg
1 320 kg	2 900 kg	4 000 kg



EASIER THAN YOU THINK



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