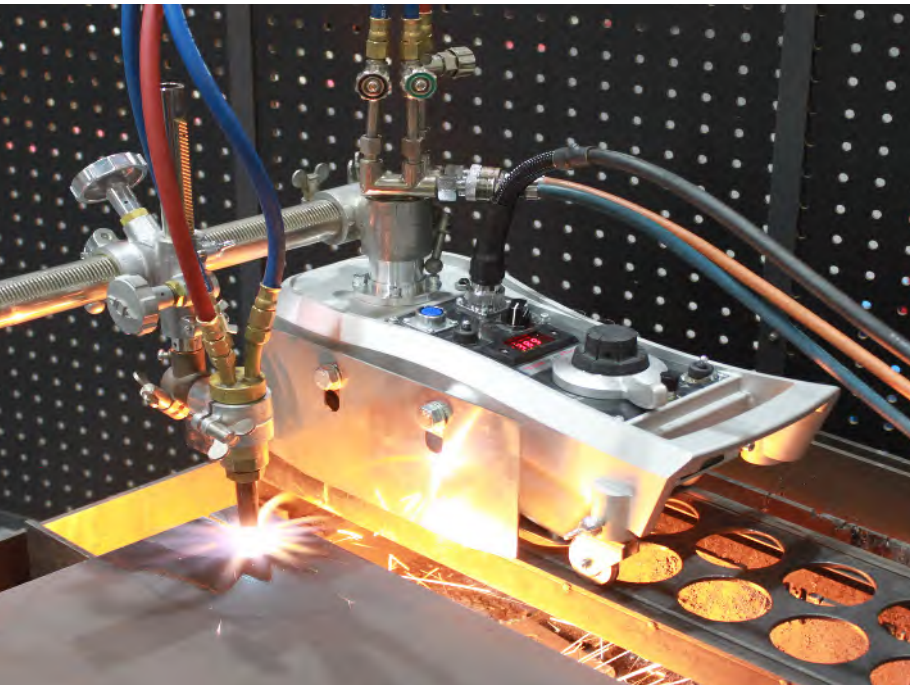


# IK-12 NEXT™

## Portable Welding and Gas/Plasma Cutting Machine



### IK-12 NEXT is the latest model of straight line cutting & welding carriages

Designed to replace the rugged IK-12 Max3, one of the most popular and longest selling cutting carriages in the fabrication industry.

The IK-12 NEXT is an incredibly strong, versatile tractor that is specifically designed to be compatible with most applications. With the ability to adapt to each process, the machine is versatile but still retains a simplistic operating system.

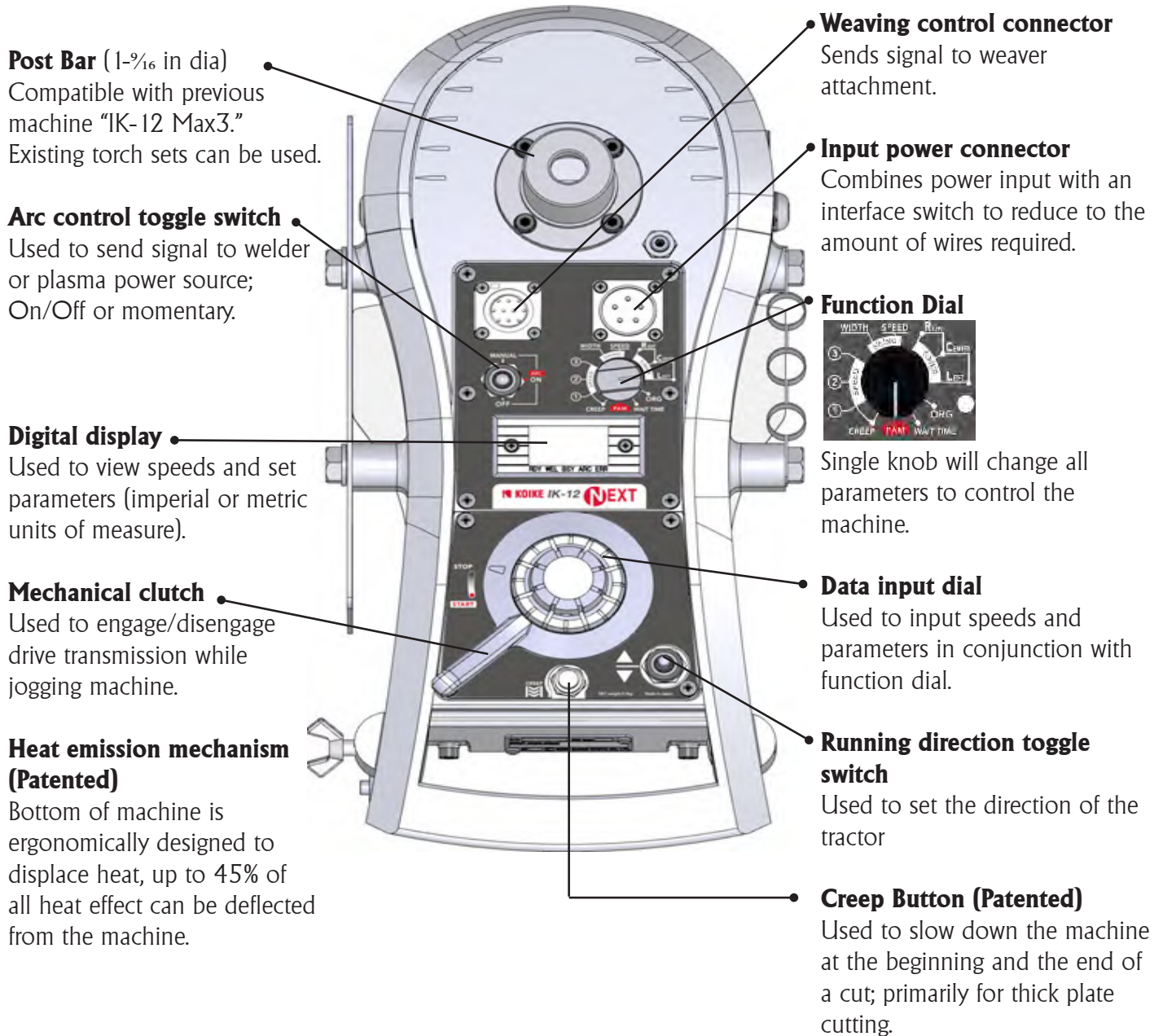


### Features & Benefits

- **Multi-function control panel**  
The new digital control panel enables the operator to accurately set a wide range of parameters as they relate to each process. With the use of a LCD display, set-up time is greatly reduced and made more repeatable.
- **Powertrain**  
Allows for extremely accurate positioning and ensures continuous drive speed and pulling force that is not compromised by power fluctuations or varying load weight.
- **Multi-purpose cutting and welding**  
The machine comes standard with the ability to interface to most power sources. Whether cutting or welding, the IK-12 NEXT has a built-in control that will send command signals directly to an attached power source interlock switch.







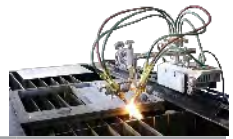
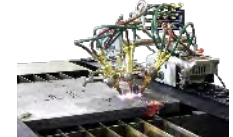

## Newly equipped with welding and plasma cutting capabilities



# IK-12 NEXT Machine Kits

## Oxy-fuel cutting torch set

MODELS DESCRIPTIONS	PART#	
Standard one torch unit; commonly used for plate stripping or performing compound bevel work.		
<b>S-100 Set Acetylene Kit</b> <b>S-100 Set LPG Kit</b>	<b>MAX3S100102</b> <b>MAX3S100106</b>	
Each kit includes:		
(1) IK-12 NEXT Unit	20506283	
(1) S-100 Torch Set w/ Snap Valve	BCG25001	
(1) 6 ft Rail	ZM30400	
(3) Cutting Tips Sizes 0, 1, 2	ZTIP102# OR ZTIP106#	
(1) Safety-Z Coupling Set	ZA3232260	
Standard two torch unit; dual torch head commonly used for plate stripping or performing compound bevel work.		
<b>S-200 Set Acetylene Kit</b> <b>S-200 Set LPG Kit</b>	<b>MAX3S200102</b> <b>MAX3S200106</b>	
Each kit includes:		
(1) IK-12 NEXT Unit	20506283	
(1) S-200 (2) Torch Set	ZA4052018	
(1) 6 ft Rail	ZM30400	
(3) Cutting Tips Sizes 0, 1, 2	ZTIP102# OR ZTIP106#	
(1) Safety-Z Coupling Set	ZA3232260	
One torch unit with mechanical torch height control. Also allows same functions as above but includes a plate tracking system used to maintain accurate plate distance from workpiece and allows for more accurate beveling.		
<b>SP-100 Set Acetylene Kit</b> <b>SP-100 Set LPG Kit</b>	<b>MAX3SP100102</b> <b>MAX3SP100106</b>	
Each kit includes:		
(1) IK-12 NEXT Unit	20506283	
(1) SP-100 (1) Torch Set	ZA4052019	
(1) 6 ft Rail	ZM30400	
(3) Cutting Tips Sizes 0, 1, 2	ZTIP102# OR ZTIP106#	
(1) Safety-Z Coupling Set	ZA3232260	

MODELS DESCRIPTIONS	PART#	
Two torch unit with mechanical torch height control on each torch unit. Allows same functions as S-200 but includes a plate tracking system used to maintain accurate plate distance from workpiece. Allows for more accurate beveling.		
<b>SP-200 Set Acetylene Kit</b> <b>SP-200 Set LPG Kit</b>	<b>MAX3SP200102</b> <b>MAX3SP200106</b>	
Each kit includes:		
(1) IK-12 NEXT Unit	20506283	
(1) SP-200 (2) Torch Set	ZA4052020	
(1) 6 ft Rail	ZM30400	
(3) Cutting Tips Sizes 0, 1, 2	ZTIP102# OR ZTIP106#	
(1) Safety-Z Coupling Set	ZA3232260	
Two torch unit with mechanical torch height control on a single tracking system. Commonly used for V-grooves or plate edge beveling; maintains angle of two torches for accurate Y & X bevel cuts.		
<b>SP-300 Set Acetylene Kit</b> <b>SP-300 Set LPG Kit</b>	<b>MAX3SP300102</b> <b>MAX3SP300106</b>	
Each kit includes:		
(1) IK-12 NEXT Unit	20506283	
(1) SP-300 (2) Torch Set	ZA4052021	
(1) 6 ft Rail	ZM30400	
(3) Cutting Tips Sizes 0, 1, 2	ZTIP102# OR ZTIP106#	
(1) Safety-Z Coupling Set	ZA3232260	
Triple torch on a single tracking system. Commonly used for maintaining angle of three torches for accurate Y, X, and K bevel cuts; used for heavy plate beveling.		
<b>SP-400 Set Acetylene Kit</b> <b>SP-400 Set LPG Kit</b>	<b>MAX3SP400102</b> <b>MAX3SP400106</b>	
Each kit includes:		
(1) IK-12 NEXT Unit	20506283	
(1) SP-400 (3) Torch Set	ZA4052022	
(1) 6 ft Rail	ZM30400	
(3) Cutting Tips Sizes 0,1,2	ZTIP102 OR ZTIP106, 0,1,2	
(1) Safety-Z Coupling Set	ZA3232260	
Heavy duty torch designed to cut up to 10 in (2540mm) plate thickness or where a large stand-off is needed.		
<b>300L Torch Kit</b>	<b>300LKIT</b>	
1/4 - 12 in (3-300mm) with 100 series tips		

## Welding

### Torch set for butt welding

- A type welding holder set** is a single torch clamp that will give torch angle and tilt in all directions.



- Allows torch to tilt +/- 45° for easy and accurate positioning.
- IK-12 NEXT Welding Kit**
- Each kit includes:
- (1) Machine Unit 20506283
- (1) Welding torch holder kit ZA4404110
- (1) 6 ft Rail ZM30400
- (1) Integrated power cable 61004861  
(Lincoln 5 Pin interface cable)
- Optional Miller Welder Adapter 0868583603

- Pendulum Weaver**
- Weaving unit increasing welding deposition with fewer passes.
- Numerical control for swing width and speed.

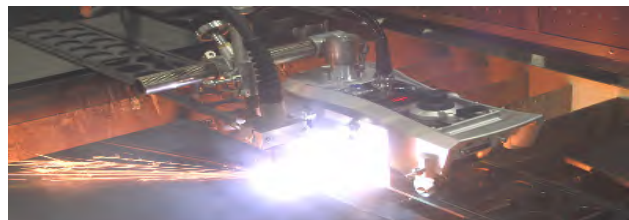


## Plasma cutting

### IK-12 NEXT has arc stabilization inside, which allows for programmable piercing.

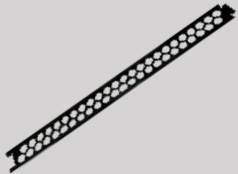
- Plasma holder set** Allows torch to tilt +/- 45° for easy and accurate positioning.
- IK12NEXT Plasma Kit** (Customer must provide plasma unit)

- Each kit includes:
- (1) Machine Unit 20506283
  - (1) Plasma torch holder kit 1115110100
  - (1) 6 ft Rail ZM30400
  - (1) Intergrated power cable 61004861  
(Lincoln 5 Pin interface cable)
  - (1) Plasma adapter 0868583603



# Accessories

## Optional Accessories



**Standard rail 6 ft (1800mm)**  
**Part#ZM30400**

- Extendable 6 ft (1800mm) rail
- Built of special steel to ensure longevity
- Easy connection/no tools needed



**Circle cutting rail**

**Part#BCD19109**

- Cutting diameter:
  - Inside:  $\varnothing$  1- $\frac{1}{16}$  - 14- $\frac{3}{16}$  in (40-360mm)
  - Outside: 30- $\frac{3}{16}$  - 45- $\frac{1}{4}$  in (770-1150 mm) with standard length cross bar.
- Counter weight recommended



**Heavy-duty heat resistant rail 6 ft (1800mm)**  
**Part#ZS30407**

- Extendable, robust structure rail that does not bend.
- Recommended when cutting thick plate over 2 in (150mm)



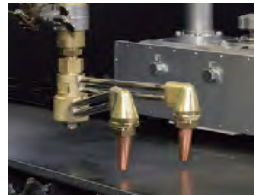
**Circle cutting attachment**  
**Part#ZS31858**

- Cutting diameter  $\varnothing$  15- $\frac{3}{4}$  to 94- $\frac{1}{2}$  in (400-2400mm)



**Vertical slide bar**  
**Part#ZS30390 (6in); ZS30430 (10in); ZS30433 (16in)**

- Extends torch up/down stroke, used when cutting from the side of plate.



**Twin torch attachment**  
**Part#ZA3312001**

- Enables 2-torch parallel cutting by attaching to a torch.
- Torch distance 1- $\frac{1}{16}$  - 11- $\frac{1}{16}$  in (30-300mm)



**Snap Valve**  
**Part#SNAPVALVEI: 1 torch**  
**Part#SNAPVALVEII: 2 torches**  
**Part#SNAPVALVEV: 300L Torch**

- Single action gas on/off
- 2 models; single or two torches



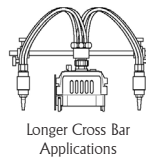
**Extended post bar**  
**Part#60032374**

- 11.8 in (300mm) long stand
- Allows torch head to raise above machine



**Snap valve B-type**  
**Part#61003655**

- Single action gas on/off
- Increases productivity by eliminating flame adjustments each time after cut.



Cross Bars	Part#	
13.7 in (350mm)	ZS30300	
19.6 in (500mm)	ZS30321	
31.5 in (800mm)	ZS30424	
47.4 in (1200mm)	ZS30426	
98.4 in (2500mm)	ZS30429	



**Torch bevel attachment**  
**Part#3311001**

- Accurate bevel cutting with angle indicator
- Cuts bevel without tilting the torch



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IK-12 NEXT 06/19 KENG