





The whole view of DCSENG Co., Ltd.

Company History

2008	DCSENG Co., Ltd. Established Selected for the Ministry of Knowledge Economy's Technology Incubation Project(TBI) Acquired Korean/International Patent for Pipe Cutting Machine
2009	Registered Factory
2010	Released Pipe Cutting & Beveling Machine S-500 Resistered as a Venture Business
2011	Acquired CE(S-500)/ISO9001/ISO14001 Certificates Acquired Clean Business Certificate
2012	Completed Affiliated Corporate Research Center Registered Korean/International Patents for Pipe Cutting & Beveling Machine(6 cases)
2013	Released Pipe Cutting & Beveling Machine S-150 Resistered Korean/International Patent for Portable Beveling Machine and 2 other Released Portable Beveling Machine S-CM4 Started Exporting to China, Japan, And Vietnam(indirect export: Africa/Arab Emirates)
2014	Started Developing Pipe Cutting & Beveling Machine for Heavy Pipes (Selected for national R&D project, Small/Medium Business Administration) Registered Patents for Pipe Cutting & Beveling Machine for Heavy Pipes and 3 others Acquired CE(S-150) Certificate Capital Increase by 592 million KRWAcquired Best Family Friendly Management Certificate
2015	Acquired Management Innovation Business Certificate Patent Technology Award Constructed and moved to new head office building and factory
2016	Released Pipe Cutting & Beveling Machine S-100LT / S-150LT / S-200LT

Business Area



Key Technology	Application		Expansion
Pipe Cutting & Beveling Engineering	Government office and residential buildings such as apartment building IT, GMP facilities	Plant industry Oil & Gas Chemical Shipbuilding	Offshore plant Aerospace industry Defense industry



01 S-Cutter is

Efficient equipment that can be used for cutting and beveling of sanitary pipes, stainless pipes, chromium-molybdenum tubes, titanium pipes, super duplex pipes, INCONEL, alloy and copper tubes, aluminum pipes, PP pipes, PE pipes, and PVDF pipes as well as uhp tubes used for super clean pipes and carbon steel.

Aren't there such problems as sparks, noise, and dust?

S-Cutter produces no harmful substances.

Now with this, you can work in a safe and efficient manner at a clean and comfortable environment,

Isn't the blade consumed too much?

Blade consumption of S-Cutter has been fundamentally reduced.

Isn't the blade far too expensive?

Compatible with GF and AXXAIR CUTTERDHK, S-blades have been developed by us and are supplied with top quality and at reasonable prices.

05 S-Cutter is

Widely used for clean piping works, bio, food, and GMP plants, shipbuilding and marine plants, and petro-chemical plants as well as diverse sites including that require a clean working environment,





























Portable hand beveler

Pipe and board film removal(outer diameter) or beveling process
25A ~
Maximum 14C





5-100LT / 150LT / 200LT

The most cost-effective! orbital cutting machine, having the best cost-to-benefit ratio!

Maximization of the users' convenience Cutting and beveling up to 1/4 " \sim 8" Maximum 8.2t



Things are cut, whether thin or thick, at a single stroke!

Developed into orbital type Cutting and beveling up to $3/8" \sim 6"$ (O,D 16mm \sim 170mm) Maximum 12t





Necessary for stainless piping work!!

Able to cut up to 3/8 $^{\circ}\sim 20$ $^{\circ}$

(O,D 16mm \sim 510mm) and conduct beveling with one machine!

Maximum 10t



5-300HV/600HV

Necessary for pipe processing factory!

Possible to cut and bevel them on both sides at the same time (CNC M/C) Cutting and beveling up to 2" \sim 24" (O.D 60mm \sim 620mm) Maximum 80t







Portable hand beveler

Bevel Capacity: $0' \sim 90'$, $0 \sim 14C$ Pipe/Board: Flat processing(removal of outside diameter film) and bevel processing



- Machine Specifications

		Dia -	Min. Gauge	1 inch(25A)	
	Processing Type	Pipe	Max. Gauge	No Limit	
Work	туре	Board	No I	Limit	
Capacity	Materials	General	steel, Stainless, Pl	astic, etc.	
	Depth Adjustment	One-touch method	(loosening prever	ntion ballplunger)	
	Processing Depth	0.05m	m as a minimum ı	unit	
	Processing Angle		$0^{\circ} \sim 90^{\circ}$		
	Penetrating Angle		75°		
	Processing Depth	Minimum C	.05mm, Maximum	15mm	
	Processing Capacity	Bevel Angle	Thickness	Width (mm)	
		0° (cross section)	15	15	
Machine		15°	16	17	
Capacity		30°	19	22	
		45°	14	20	
		60°	10	22	
		75°	8	31	
		90° (surface)	5	26	
	Total Weight	6.0Kg			
Machine Specification	Output	8	35×85×185H		
	Effectiv, Factor	4EA(S-501306-CM4-780) - user 8 surfaces			

- Motor Specifications

Item	Unit	Cutting Motor
Rated Output	W	1050
Rated Voltage	V	AC 200~220V / 50~60Hz
Operating Environment	_	-20°C~40°C/20~80%RH

- Standard Accessory

- · Equipped with a guide roll for piping as standard
- · Handle
- · 1 hexagonal wrench, 1 torx wrench

- Option Accessory

- · Insert tip: S-501306-CM4-780
- · Insert tip fixing bolt

 $[\]cdot\,$ Designe and specification of this product are the version as of October 2016.

[·] The data may be subject to change for product improvement without a prior notice.

 $[\]cdot$ Be sure to read through safety precautions described in the user manual and the equipment before using our products.





Portable plane processing machine

Processing Capacity: 48mm of maximum width,

15mm of maximum depth

Pipe/Board: Film removal (outside diameter)

and flat processing



Machine Specifications

		Dina	Min. Gauge	1 inch(25A)
	Processing	Pipe	Max. Gauge	No Limit
Work	Type	Board	No	Limit
Capacity	Materials	General s	teel, Stainless, Pla	stic, etc.
	Depth Adjustment	One-touch method(loosening prevent	ion ballplunger)
	Processing Depth	0.0	05mm as a minim	um unit
	Processing Angle		90°	
	Penetrating Angle		75°	
	Processing Depth	Minimum of	0.05mm, Maximu	m of 15mm
		Using Materials		Width(mm)
		5 .	Minimum	18
Machine		Board	Maximum	48
Capacity	Processing Capacity	essing	50A	27
		Pipe	100A	29
		(When Processing	200A	31
		0.3mm)	300A	33
			500A	43
	Total Weight		6.0Kg	
Machine	Output		85×85×185H	
Specificati	Effectiv, Factor	4EA(S-501306-	-CM4-780) - use	r 8 surfaces

- · Designe and specification of this product are the version as of October 2016.
- \cdot The data may be subject to change for product improvement without a prior notice.
- · Be sure to read through safety precautions described in the user manual and the equipment before using our products.

- Motor Specifications

Item	Unit	Cutting Motor
Rated Output	W	1050
Rated Voltage	V	AC 200~220V / 50~60Hz
Operating Environment	ı	-20°C~40°C/20~80%RH

- Standard Accessory

- Equipped with a guide roll for piping as standard
- · Handle
- · 1 hexagonal wrench, 1 torx wrench

- Option Accessory

- · Insert tip: S-501306-CM4-780
- · Insert tip fixing bolt



5-100LT / 150LT / 200LT



The most cost-effective orbital cutting machine, having the best cost-to-benefit ratio!

Capacity: $1/4" \sim 8"$

(Pipe O.D 6mm \sim 200mm) Pipe thickness Maximum 8.2t









- Maximized user convenience

- · Easy to replace cutting blades
- Effective and convenient in processing short pipes
- · Possible to cut elbows
- Mounted basically with a stopper for cutting & beveling
- · Maximized convenience of repeated work

- Clamping of O.D 1/4" \sim 8" at a time

- · No need for an ancillary vise(vice jaw)
- · Shotened working time

- Oilless bearing applied to the main shaft

- · The durability of the equipment is improved
- · The looseness of the equipment is minimized

Optimally designed for the processing of thin pipes

- · Changes in pipes are minimized
- Minimum distances are secured between cutting & beveling blade and vise (fix jaw)

- Possible to fine tune processing depths

- · Improved quality in cutting & beveling
- · A one-touch adjustment device

- Equipped with a BLDC motor

- Providing stable torques across the range and ensuring high reliability
- Adjusting speeds according to work types with a 6-stage control
- · Having a built-in overload protection circuit

- Using with basic table(S-□□□LT_MT)







- Machine Specifications

		Item	Unit	Specification
		Min, / Max, Caliber	mm(inch)	13(1/4) / 120(4)
400LT	Cutting & Beveling Capacity	Min. / Max. Thickness	mm	0.2 / 8.2(5)
- 100LT	Сараску	Beveling Angle	0	30/32/35/37.5/45
	Machanical	Size(D×L×H)	mm	143×366×383
	Data	Weight	kg	47
		Min. / Max. Caliber	mm(inch)	20(1/2) / 170(6)
	Cutting & Beveling Capacity	Min. / Max. Thickness	mm	0.2 / 8.2(5)
- 150LT		Beveling Angle	۰	30/32/35/37.5/45
	Machanical	Size(D×L×H)	mm	145×466×483
	Data	Weight	kg	66
		Min. / Max. Caliber	mm(inch)	60(2) / 220(8)
	Cutting & Beveling Capacity			0.2 / 8.2(5)
 200LT	Сараску	Beveling Angle	0	30/32/35/37.5/45
	Machanical	Size(D×L×H)	mm	145×525×542
	Data	Weight	kg	77

- \cdot Minimum caliber is using the collet, tube collet(1/4", 1/2").
- · Minimum cutting thickness is on the basis of 10A.
- \cdot Design and specification of this product are the version as of October 2016.
- · The data may be subject to change for product improvement without a prior notice.
- · Be sure to read through safety precautions described in the user manual and the equipment before using our products.

- Motor Specifications

Item	Unit	Cutting Motor
Rated output	W	1000
Rated Voltage	V	AC 200~220 / 50~60Hz
Rated Curent	А	5.0
Operating Environment	_	-20°C~40°C/20~80%RH

Standard Accessory

· Standard Accessory

- Option Accessory

 \cdot S- \square \square LT_RS : Pipe Feeder

· S-□□□LT_VS: Stand

· S-DDDLT_MT: Machine Table





Things are cut, whether thin or thick, at a single stroke!

World best easy and speed!

Machine Capacity: 3/8" \sim 6"

(Pipe O.D 16mm \sim 170mm)

(When using collet O.D 6.35mm \sim)









- Maximizing user convenience with auto rotation
 - · Thick pipes are cut in right direction and beveled
 - · Thin pipes are cut in reverse direction(spiral duct cutting available)
- Clamping at a time up to O.D16mm~170mm
- Evolved into a new orbital type
 - · Main axial motor mounted onto the body (to prevent ejection while working)
 - · In semi-permanent design for zero backlash
- Able to freely adjust of blade while cutting and beveling
- Welding holder mounted(butt welding) o-
 - · Semi-automatic welding realized for thin tasks



- Using with basic table(S-150_MT)



- Machine Specifications

Ite	em	Unit	Specification
		mm(inch)	6.35(1/4inch) ^{note1)}
	Minimum Caliber	mm(A)	16(10A)
Cutting Capacity	Maximum Caliber	mm(A)	170(150A)
Capacity	Minimum Thickness	mm	0.5 note2)
	Max. Thickness(encourage)	mm	12(10)
	Minimum Caliber	mm(A)	16(10A)
	Maximum Caliber	mm(A)	170(150A)
Beveling Capacity	Minimum Thickness	mm	_
Сараспу	Max. Thickness(encourage)	mm	12(10)
	Beveling Angle	۰	30° / 32° / 35° / 37.5° / 45°
Welding Capacity	Minimum Caliber	mm(A)	16(10A)
(secondary)	Maximum Caliber	mm(A)	170(150A)
Machanias Data	Size(D×L×H)	mm	660×360×505
Machanical Data	Weight	kg	100

- · Note1) When using collet, pipe collet(6A/8A), tube collet(1/4", 3/8", 1/2")
- · Note2) Min. Cutting thickness is on the basis of 10A
- · Design and specification of this product are the version as of October 2016.
- · The data may be subject to change for product improvement without a prior notice
- · Be sure to read through safety precautions described in the user manual and the equipment before using our products.

- Motor Specifications

Item	Unit	Cutting Motor	Rotation Motor
Rated Output	W	1500	400
Rated Voltage	V	AC 220	AC 220
Rated Current	А	5.7	1,85
Operating Environment	_	0℃~40℃/	20~80%RH

- Standard Accessory

· All-in-one toolbox - Standard Accessories

- Option Accessory

· S-150_RS: Pipe Feeder

· S-150_VS: Stand

· S-150_MT: Basic-type Machine Table



Accessory With S-150 Together Supply





Equipment table.

All products are supplied as prefabricated and can be used as soon as delivered

- Comes with S-150_RS and built with 2 sets of S-150_VS
- Designed so that 6M straight tubes are used
- Compatible with S-150_VS
- Having a foldable cutting tip holder mounted

Built with a large toolbox $(500 \times 1600 \times 510 \text{H})$

| Size $900 \times 2300 \times 750$ H $(900 \times 3600 \times 750$ H)

| Material SS400 powder painting(upper plate STS304)

Weight about 200kg







Necessary for stainless piping work !!

Using rotation cutting method of pipes for the first time in the world!

Machine Capacity: 3/8" ~ 20 "

(Pipe O.D 16mm \sim 510mm)



- Maximizing user convenience with auto rotation
- Able to cut up to 16mm \sim 510mm and conduct beveling with one machine!
 - \cdot 3/8 $^{\prime\prime}$ \sim 2 $^{\prime\prime}$: Vice clamping method
 - \cdot 2 '' \sim 20 '' : Chain clamping method
 - · May use up to 24"(please contact head office)
- Blade catch preventer installed(exceptionally usefull in large diameter)
- Minimize eccentricity while cutting and beveling
- Able to freely adjust of blade while cutting and beveling









- Equipped welding holder

· Implementation of the semi-automatic welding thin pipe



- Useable with S-500_PR



Machine Specifications

It	em	Unit	Specification
	Minimum Caliber	mm(A)	16(10A)
Cutting	Maximum Caliber	mm(A)	510(500A)
Capacity	Minimum Thickness	mm	0.8 ^{note1)}
	Max. Thickness(encourage)	mm	10(8)
	Minimum Caliber	mm(A)	16(10A)
	Maximum Caliber	mm(A)	510(500A)
Beveling Capacity	Minimum Thickness	mm	-
,	Max. Thickness(encourage)	mm	10(8)
	Beveling Angle	۰	30 / 32 / 35 / 37.5 / 45
Wolding Consists	Minimum Caliber	mm(A)	16(10A)
Welding Capacity (secondary)	Maximum Caliber	mm(A)	510(500A)
Machanical D-4-	Size(D×L×H)	mm	413×460×325
Machanical Data	Weight	kg	92

· Note1) Minimum cutting thickness is on the basis of 10A.

- $\cdot\,$ Designe and specification of this product are the version as of October 2016.
- · The data may be subject to change for product improvement without a prior notice.
- \cdot Be sure to read through safety precautions described in the user manual and the equipment before using our products.

- Motor Specifications

Item	Unit	Cutting Motor	Rotation Motor
Rated Output	W	1500	400
Rated Voltage	V	AC 200~220V / 50~60Hz	
Rated Current	А	5.7	1,58
Operating Environment –		0℃~40℃/	20~80%RH

- Standard Accessory

· S-500_VC: Small caliber pipe support(10A~50A)

· S-500_CC: Large caliber pipe support(50A~500A

· Toolbox: Standard Accessory

- Option Accessory

· S-500_PS: Pipe Support System

· S-500_PR: Total Rail

· S-500_PL: Pipe Lift

Accessory With S-500 Together Supply



Used to support long pipes at the front and back.

- Suitable for rotation movement
- Usable as a turntable while welding
- Used in Three sets
- Easy to move back and forth while assembling angle wheels for rails
- | Equipment Size 280×450×320H
- Weight 33kg
- Supporting Ability 10A~500A
- Rated Load 600kg



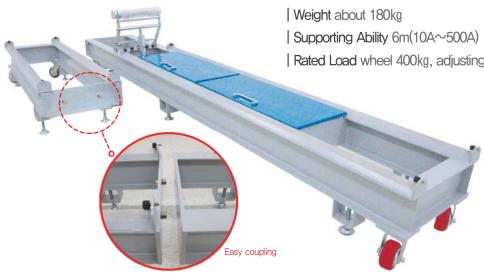
Using angle wheels for rails

►S-500_PR

Necessary tow work on large caliber and heavy materials,

| Equipment Size 5000 × 465 × 350H, Two-piece division 1600, 3400

Rated Load wheel 400kg, adjusting chair 1000kg

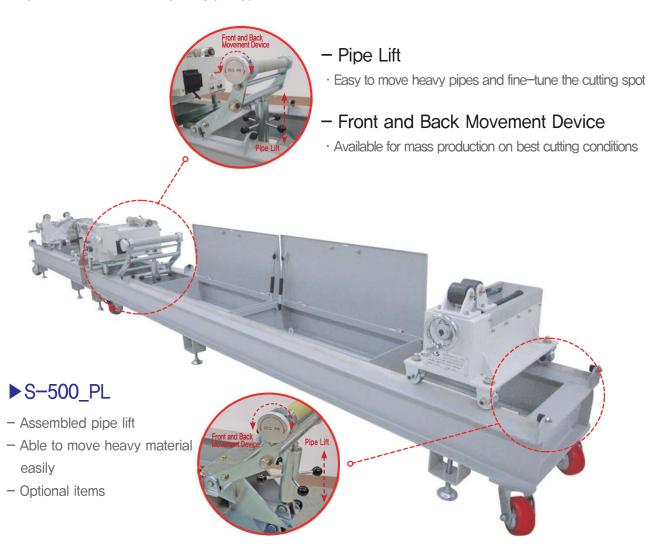


S-500_PR and S-500_PS 3 sets can be used together with rails

Equipment table.

All products are supplied as prefablicated and can be used as soon as delivered.

- Assembled with S-500_PS 3 sets for use
- Necessary for work of large caliber and heavy materials
- Pipe Lift included
- Fine-tune the cutting spot with the front and back movement device
- Having a built-in toolbox(800x390x160Hx2EA)
- Easy to assemble as an adjusting pin type





5-300HV / 600HV

Necessariness of a pipe processing factory!

Possible to cut and bevel them on both sides

at the same time (CNC M/C)

Machine Capacity : 2" \sim 24"

(O.D 60mm \sim 620mm)

Maximum 80t



Model		S-300HV	S-600HV	Domosts	
Description	Unit	5-300HV	5-600HV	Remark	
Cutting Diameter	mm	60~320(2"~12")	250~620(10"~24")		
Cutting Thickness	mm	80	100		
Tool Holder	set	6(8)	6(8)	Full Auto	
X-axis Distance	mm	80	100		
Z-axis Distance	mm	160	220		
Spindle Motor CapaCity	kW	11	22		
X-axis Motor CapaCity	kW	1.5	3		
Z-axis Motor CapaCity	kW	1	3		
Pipe Feeder Assy'	set	2	3	Full Auto	
Centering Adjust	mm	200	350	Full Auto	
Hydraulic unit	kW	3.75	6	Full Auto	
Size(L×W×H)	mm	2350×1400×2000(2200)	2800×2000×2500(2850)		
Power Source		3P/220V/60Hz	3P/380V/60Hz		
Net Weight	kg	4500	7500		

Note) These data can be customized to fulfill your order and are subject to change without notice.
 For detail, please contact our Technical Sales Division.

First time in the world!

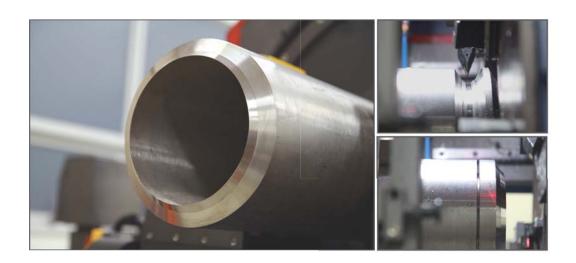
Dual Cutting & Beveling Full Automatic Machine

- · Dual cutting sides and chamfering off; not required a machine tool of cutting or chamfering
- · The minimum working space through straight production
- · The maximum convenience; equipped with auto tool change 6 tool holder
- · The embodiment of various shaping processing; 8-axis servo motor
- · The auto feeder of pipe/centering function
- · The auto oil pressure revision system; the minimum deformation through chuck pressure depending on the type of pipes
- · Tool Pre-setter/Chip Conveyer/Coolant System

►S-300HV, S-600HV

lunary and forms	Example			
Improved forms	Double-sided	Single-sided		
I-shaped				
V-shaped				
U-shaped				
DV-shaped				

* Full Automatic Machine can process various forms.



Cutting Blade

This is a cutting blade.

Compatible with GF, Axxair Cutter.

I Meet HSS

| Thickness 1.5t \sim 2.0t

Materials Materials including Carbon steel, Stainless, Copper, Sanitary tubes, Chromium-Molybdenum tubes, Titanium pipes, Duplex pipes, INCONEL, and Alloy





- List of products and Cutting Reference Dimentions

Model No	Outside Diameter	Inside Diameter	No. of Blades	Materials
S-6860	68	16	60	0.5t~1.5t
S-6844	68	16	44	1.5t~3.0t
S-8056	80	16	56	0.5t~3.0t
S-8048	80	16	48	2.0t~5.0t
S-8040	80	16	40	4.0t~10.0t
S-8036	80	16	36	7.0t~13.0t
S-10044	100	16	44	7.0t~15.0t

- \cdot The above data is based on STS304 materials.
- \cdot Use different cutting speed and rotation speed depending on your work conditions,

| Meet HHS

Materials Materials including Carbon steel, Stainless, Copper, Sanitary tubes, Chromium-Molybdenum tubes
Titanium pipes, Duplex pipes, INCONEL, and Alloy

| Beveling Angle 30° / 32° / 35° / 37.5° / 45°

Beveling Blade

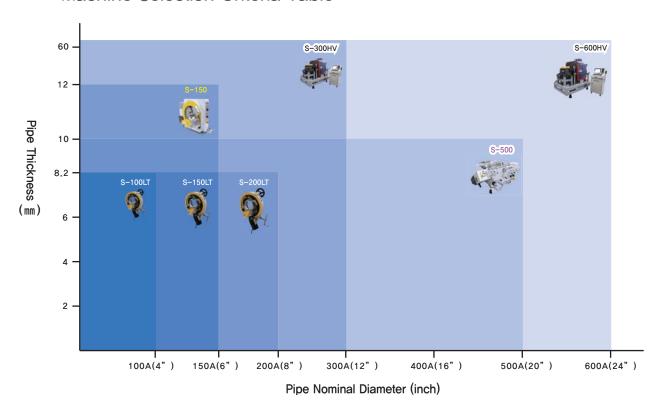
This is a beveling blade.

Compatible with GF Cutter.





Machine Selection Criteria Table



Cutting, Beveling Quantity

Nomonal Outside	Outside	Thickness(4)	Cutting		Beveling	
Diameter		Thickness(t)	Quantity / 1EA	Blade Model	Quantity / 1EA	Blade Model
15A	21.7	2.1	464	S-8056	8,962	S-BB90
20A	27.2	2.1	368		7,150	
25A	34.0	2.8	300		5,720	
32A	42.7	2.8	240		4,554	
40A	48.6	2.8	210		4,002	
50A	60.5	2.8	173		3,214	
65A	76.3	3	129	S-8048	2,392	
80A	89.1	3	113		2,032	
100A	114.3	3	90		1,350	
125A	139.8	3.4	75		1,008	
150A	165.2	3.4	60		852	
200A	216.3	4	45	S-8040	590	
250A	267.4	4	38		476	
300A	318.5	4.5	30		400	
350A	355.6	5	29		340	
400A	406.4	5	24		296	
450A	457.2	5	20		264	
500A	508.0	5	15		238	

- · Writing of this data based on STS 304 ERW SCH10S.
- \cdot Use different cutting speed and Beveling rpm(%) depending on your work conditions.
- \cdot Excessive cutting and fast initial entry speed damage can be shorten the life.



