

DCS  **ENG**

S-Cutter
Pipe Cutting/Beveling Machine



Pipe Cutting & Beveling Machine



-150

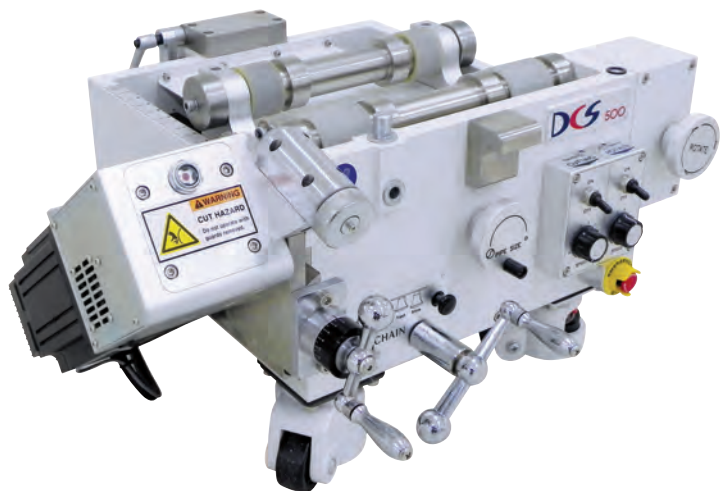
Things are cut,
whether thin or thick,
at a single stroke !

Developed into orbital type
3/8" ~ 6" (O.D 16mm~170mm) cutting and beveling
(When using collet O.D 6,35mm ~)

-500

Necessary for
stainless piping work !!

Able to cut up to 3/8" ~ 20"
(O.D 16mm~510mm) and conduct
beveling with one machine !



-CM4

Portable hand beveler
Pipe and plate film removal(outer diameter)
or beveling process



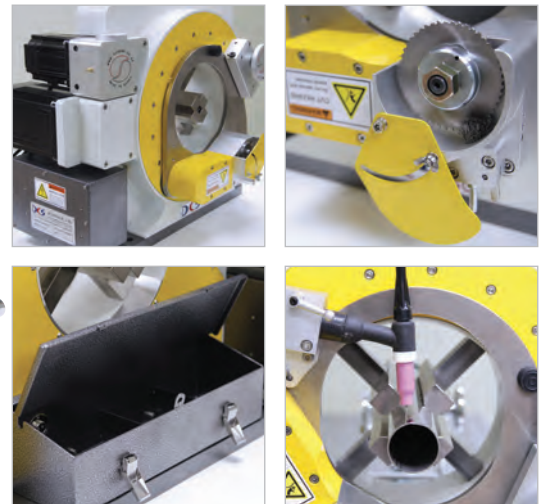
-150



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

World best easy and speed !

Equipment Capability : 3/8" ~ 6"
(Pipe O.D 16mm~170mm)
(When using collet O.D 6.35mm ~)



- 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)
 - Semi-automatic welding realized for thin tasks



– Using with basic table(S-150MT)



– Machine Specifications

Item	Unit	Specification
Cutting Capacity	Min. Caliber	mm(inch) 6.35(1/4inch) ^{Note1)}
		mm(A) 16(10A)
	Max. Caliber	mm(A) 170 (150A)
	Min. Thickness ^{Note2)}	mm 0.5
	Max. Thickness	mm 12(10)
Beveling Capacity	Min. Caliber	mm(A) 16 (10A)
	Max. Caliber	mm(A) 170 (150A)
	Min. Thickness	mm -
	Max. Thickness	mm 12(10)
	Beveling Angle	° 30° / 32° / 35° / 37.5° / 45°
Welding Capacity (secondary)	Min. Caliber	mm(A) 16 (10A)
	Max. Caliber	mm(A) 170 (150A)
Mechanical Data	Size(DxLxH)	mm 660x360x505
	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 -S- gSdK 201(.
- 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	A	5.7	1.85
Operating Environment	-	0~40°C / 20~80%RH	

– Standard Accessory

- All-in-one toolbox – Standard Accessories

– Option Accessory

- S-150RS : Pipe Feeder
- S-150VS : Stand
- S-150MT : Basic-type Machine Table

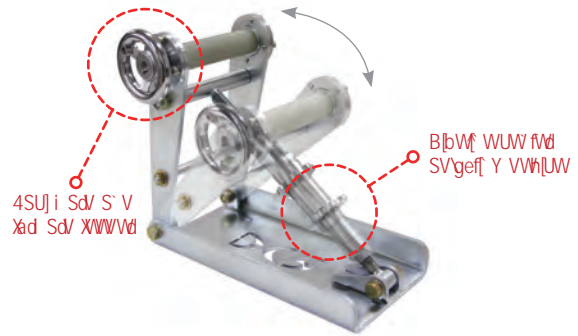


Accessory With S-1 50 Together Supply

► S-150RS

This equipment is essential for heavy pipe work. Easily find where to cut on the pipe.

- Pipeline feeder for tables
- Fine tune cutting spots with backward and forward feeder
- Compatible with S-150VS
- Usable for existing equipment



► S-150VS

This equipment is essential for heavy pipe work. Upper V-shape head only supplied.

- Standing pipeline feeder
- Suitable for front and back movement and rotation movement
- Compatible with S-150RS
- Fit to your existing stand
- Usable for existing equipment

► S-150MT



Equipment table.

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

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

| Built with a large toolbox (500x1600x510H)
 | Size 900x2300x750H(900x3600x750H)
 | Material SS400 powder painting(upper plate STS304)





-500

Necessary for stainless piping work !!

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

Equipment Capability : 3/8" ~ 20"
(Pipe O.D 16mm ~ 510mm)

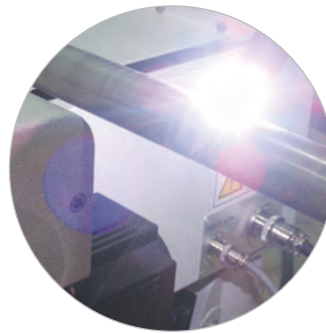


- Maximizing user convenience with auto rotation
- Able to cut up to 16mm ~ 510mm and conduct beveling with one machine !
 - 3/8" ~ 2" : Vice clamping method
 - 2" ~ 20" : Chain clamping method
 - May use up to 24"(please contact head office)
- Blade catch preventer installed(exceptionally usefull in 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-500PR



– Machine Specifications

Item		Unit	Specification
Cutting Capacity	Min. Caliber	mm(A)	16 (10A)
	Max. Caliber	mm(A)	510 (500A)
	Min. Thickness ^{Note1)}	mm	0.8
	Max. Thickness	mm	10(8)
Beveling Capacity	Min. Caliber	mm(A)	16 (10A)
	Max. Caliber	mm(A)	510 (500A)
	Min. Thickness	mm	–
	Max. Thickness	mm	10(8)
	Beveling Angle	°	30°/32°/ 35°/37.5°/45°
Welding Capacity (secondary)	Min. Caliber	mm(A)	16 (10A)
	Max. Caliber	mm(A)	510 (500A)
Mechanical Data	Size(DxLxH)	mm	413x460x325
	Weight	kg	92

- Note1) Minimum cutting thickness is on the basis of 10A.
- Design and specification of this product are the version as of -S- gSk 201(.
- 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	A	5.7	1.58
Operating Environment	–	0~40°C / 20~80%RH	

– Standard Accessory

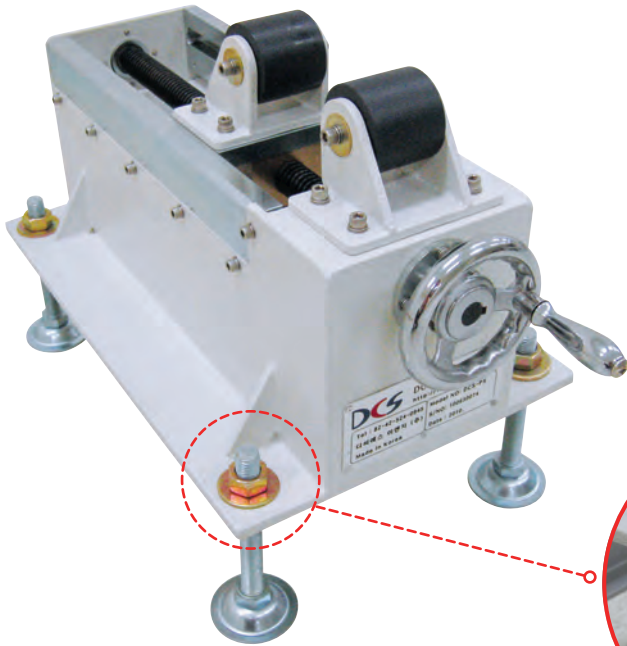
- S-500VC : Small caliber pipe support(10A~50A)
- S-500CC : Large caliber pipe support(50A~500A)
- Toolbox : Standard Accessory

– Option Accessory

- S-500PS : Pipe Support System
- S-500PR : Total Rail
- S-500PL : Pipe Lift



Accessory With S-500 Together Supply



► S-500PS

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 Standard 280 x 450 x 320H
 | Weight 33kg
 | Supporting Ability 10A ~ 500A
 | Rated Load 600kg

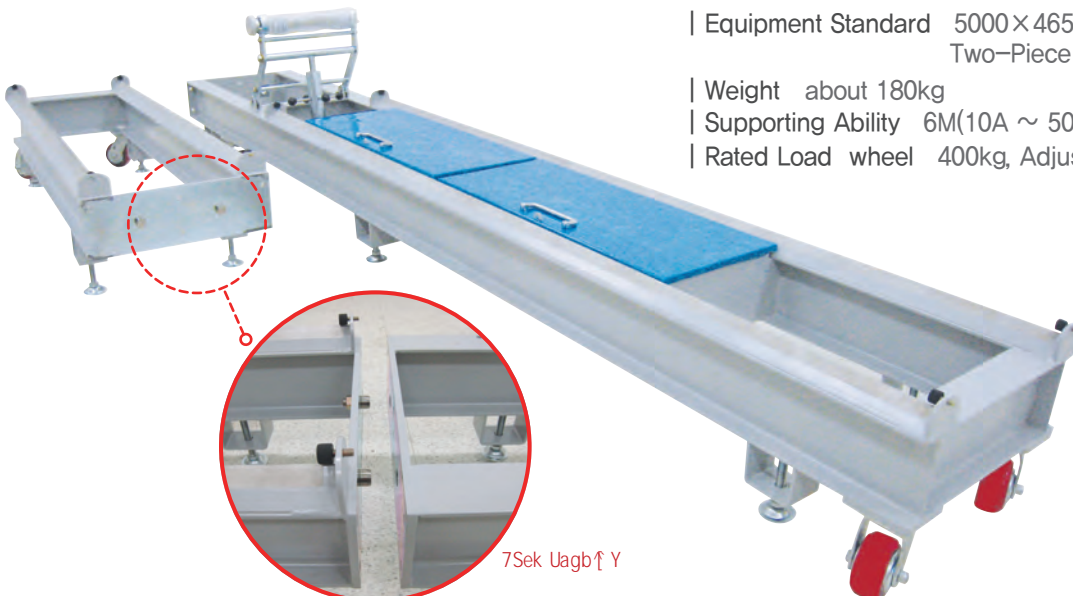


Geŕ Y S' YWi ZWWe Xddŕe

► S-500PR

Necessary tow work on large caliber and heavy materials

| Equipment Standard 5000×465×350H
 Two-Piece Division 1600, 3400
 | Weight about 180kg
 | Supporting Ability 6M(10A ~ 500A)
 | Rated Load wheel 400kg, Adjusting Chair 1000kg



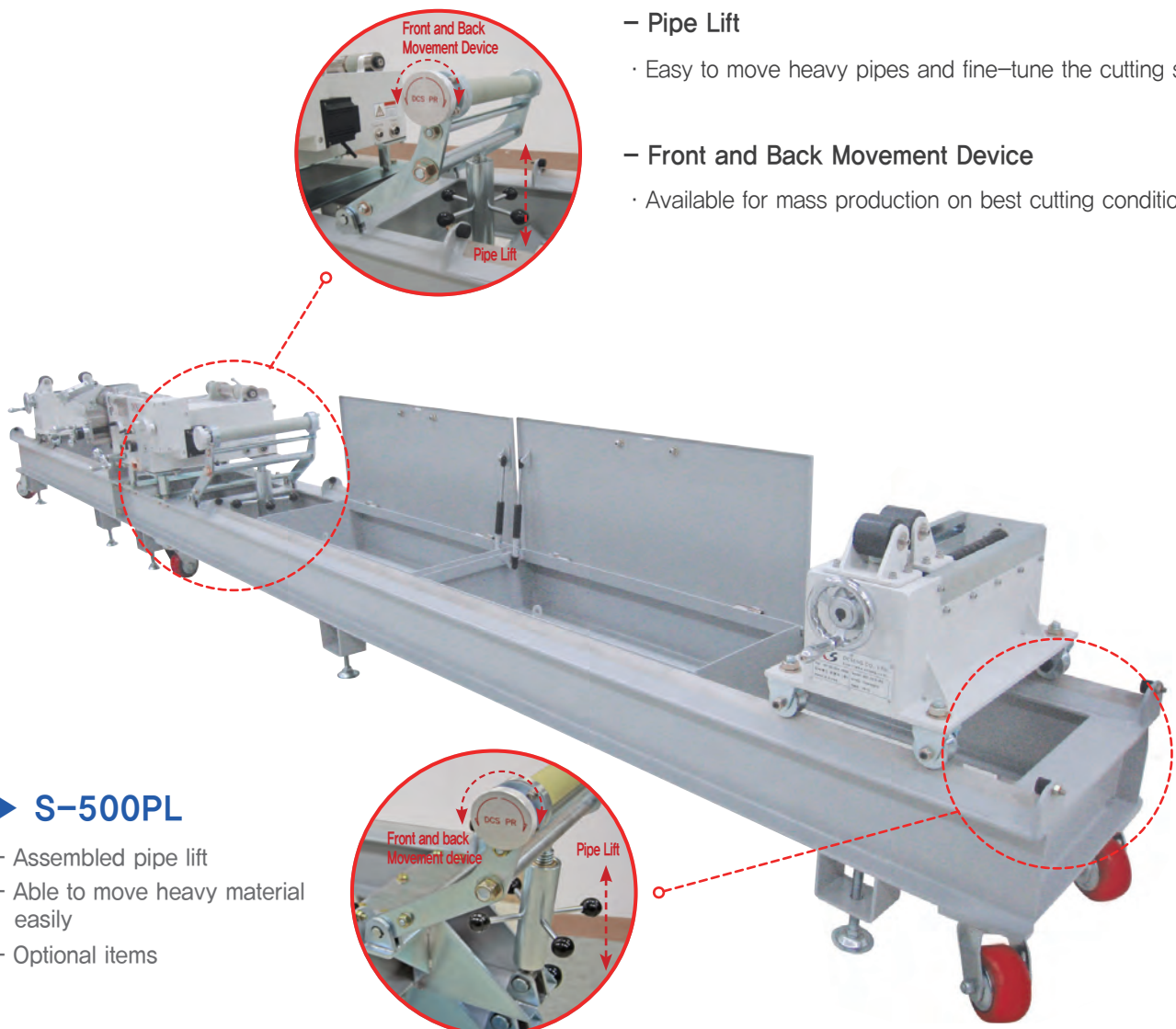
7Sek Uagbŕ Y

S-500PR and S-500PS 3 sets can be used together with rails

Equipment table.

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

- Assembled with S-500PS 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



- Pipe Lift

- Easy to move heavy pipes and fine-tune the cutting spot

- Front and Back Movement Device

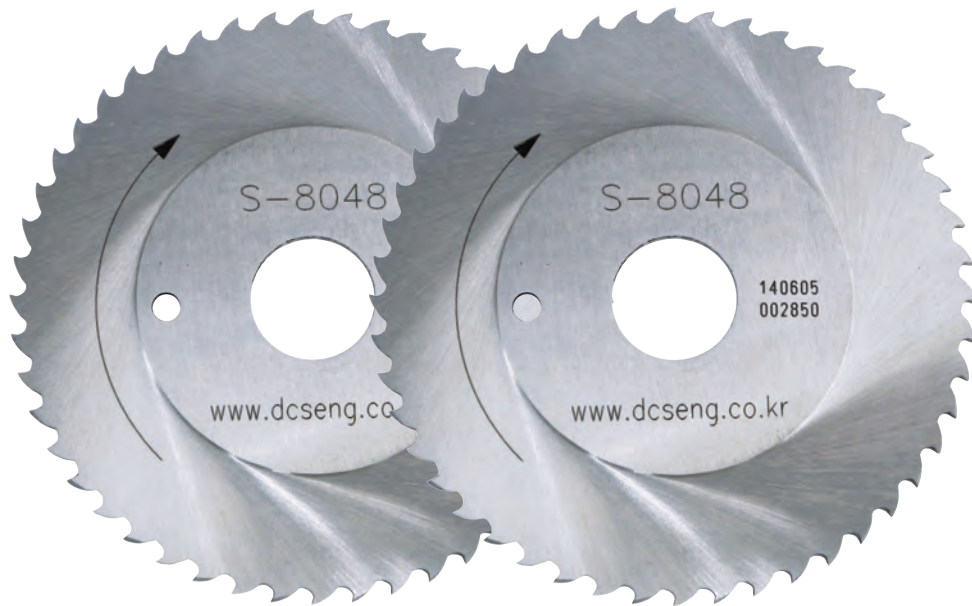
- Available for mass production on best cutting conditions

► S-500PL

- Assembled pipe lift
- Able to move heavy material easily
- Optional items



Cutting Blade of High Quality



Cutting Blade

This is a cutting blade.
Compatible with GF, Axxair Cutter.

| Meet HHS

| Thickness 1.5t ~ 2.0t

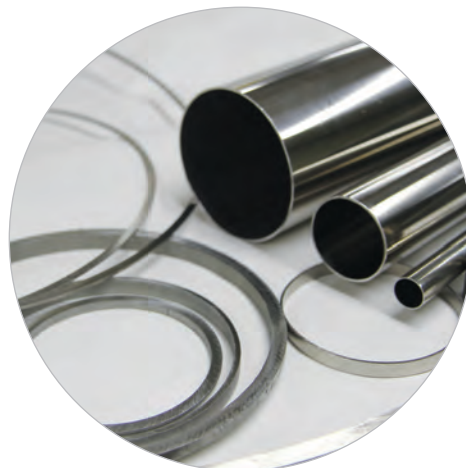
| Materials Materials including Carbon steel, Stainless, Copper, Sanitary tubes, Chromium-Molybdenum tubes, Titanium pipes, Duplex pipes, INCONEL, and Alloy

- 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

· The above data is based on STS304 materials.

· Use different cutting speed and rotation speed depending on your work conditions.



Beveling Blade of High Quality



Beveling Blade

This is a beveling blade.
Compatible with GF Cutter.

| 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°





Cutting, Beveling Quantity

Nominal Diameter	Outside Diameter(mm)	Thickness(t)	Cutting		Beveling	
			Quantity	Blade Spec.	Quantity	Blade Spec.
15A	21.7	2.1	309	S-8056	4,481	S-BB90
20A	27.2	2.1	245		3,575	
25A	34.0	2.8	200		2,860	
32A	42.7	2.8	160		2,277	
40A	48.6	2.8	140		2,001	
50A	60.5	2.8	115		1,607	
65A	76.3	3	86	S-8048	1,196	
80A	89.1	3	75		1,016	
100A	114.3	3	60		675	
125A	139.8	3.4	50		504	
150A	165.2	3.4	40		426	
200A	216.3	4	30	S-8040	295	
250A	267.4	4	25		238	
300A	318.5	4.5	20		200	
350A	355.6	5	19		170	
400A	406.4	5	16		148	
450A	457.2	5	13		132	
500A	508.0	5	10		119	

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

-Cutter

Total Solution Of Pipe Cutting & Beveling

S-Cutter Cutting & Beveling Ability Table(STS304)

Nominal Diameter		Outside Diameter mm	PPE STS 304 ERW Nominal Thickness(KSD 3576)											
			Schedule 5 S		Schedule 10 S		Schedule 20 S		Schedule 40 S		Schedule 80 S		Schedule 160 S	
A	B		Thickness mm	Weight (kg) kg/6m	Thickness mm	Weight (kg) kg/6m	Thickness mm	Weight (kg) kg/6m	Thickness mm	Weight (kg) kg/6m	Thickness mm	Weight (kg) kg/6m	Thickness mm	Weight (kg) kg/6m
10	3/8	17.3	1.2	2.886	1.65	3.858	2	4.572	2.3	5.154	3.2	6.72	-	-
15	1/2	21.7	1.7	4.944	2.1	6.18	2.5	7.2	2.8	7.92	3.7	9.96	4.7	11.94
20	3/4	27.2	1.7	6.3	2.1	7.86	2.5	9.24	2.9	10.56	3.9	13.56	5.5	17.82
25	1	34	1.7	7.98	2.8	13.08	3	13.92	3.4	15.54	4.5	19.86	6.4	26.4
32	1 1/4	42.7	1.7	10.14	2.8	16.68	3	17.82	3.6	21.06	4.9	27.66	6.4	34.74
40	1 1/2	48.6	1.7	11.58	2.8	19.14	3	20.46	3.7	24.84	5.1	33.18	7.1	44.04
50	2	60.5	1.7	14.52	2.8	24.12	3.5	29.82	3.9	33	5.5	45.24	8.7	67.2
65	2 1/2	76.3	2.1	23.28	3	32.88	3.5	38.1	5.2	55.26	7	72.6	9.5	94.8
80	3	89.1	2.1	27.3	3	38.58	4	50.88	5.5	69	7.6	92.4	11.1	129.6
90	3 1/2	101.6	2.1	31.2	3	44.22	4	58.32	5.7	81.6	8.1	113.4	12.7	168.6
100	4	114.3	2.1	32.22	3	49.92	4	66	6	97.2	8.6	135.6	13.5	203.4
125	5	139.8	2.8	57.36	3.4	69.6	5	97.8	6.6	131.4	9.5	184.8	15.9	294.6
150	6	165.2	2.8	67.8	3.4	82.2	5	120	7.1	168	11	253.8	18.2	399.6
200	8	216.3	2.8	89.4	4	127.2	6.5	204	8.2	255	12.7	386.4	23	666
250	10	267.4	3.4	134.4	4	157.2	6.5	253.2	9.3	358.8	15.1	569.4	29.6	1020
300	12	318.5	4	187.8	4.5	211.2	6.5	303	10.3	474.6	17.4	786	33.3	1422
350	14	355.6	4	210	5	262.2	8	415.8	11.1	571.8	19	954	35.7	1704
400	16	406.4	4.5	270.6	5	300	8	476.4	12.7	750	21.4	1230	40.5	2214
450	18	457.2	4.5	301.8	5	337.8	8	540.6	13.3	948	23.8	1542	45.2	2784
500	20	508	5	375.6	5.5	412.8	9.5	741	15.1	1110	26.2	1884	50.5	3420

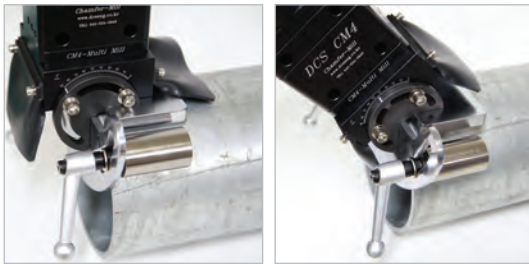
A S-150 Recommended Spec. A S-150 Max. Spec. S-500 Recommended Spec. S-500 Max. Spec.



CM4-M

Bevel Capacity : 0° ~ 90°, 0 ~ 14C

Pipe/Board : Flat processing(removal of outside diameter film) and bevel processing



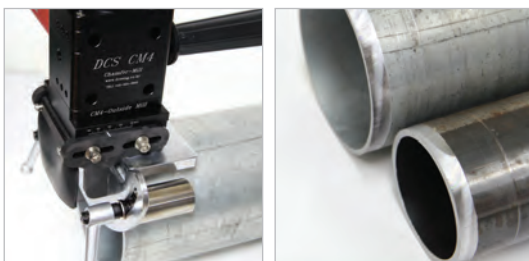
Work Capacity	Processing Type	Pipe	Min. Gauge	1inch(25A)
		Board	Max. Gauge	No Limit
	Materials	General steel, Stainless, Plastic, etc.		
	Proces. Adjustment	One-touch method(loosening prevention ballplunger method)		
	Processing Depth	0,05mm as a minimum unit		
Machine Capacity	Processing Angle	0° ~ 90°		
	Penetrating Angle	75°		
	Processing Depth	Minimum of 0,05mm, Maximum of 15mm		
	Processing Capacity	Bevel Angle	Thickness	Width(mm)
		0° (Ukbee e/Wlfa)	15	15
		15°	16	17
		30°	19	22
		45°	14	20
60°		10	22	
75°	8	31		
90° (surface)	5	26		
Machine Specification	Total Weight	6,0Kg		
	Output	220V/60Hz/1050W		
	Size	85×85×185H		
	Effectiv. Factor	4EA(65S501306-CM4-780) – user 8 surfaces		

- Designe and specification of this product are the version as of -S- gSk 201 (.
- 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.

CM4-OD

Processing Capacity : 48mm of maximum width, 15mm of maximum depth

Pipe/Board : Film removal (outside diameter) and flat processing



Work Capacity	Processing Type	Pipe	Min. Gauge	1inch(25A)
		Board	Max. Gauge	No Limit
	Materials	General steel, Stainless, Plastic, etc.		
	Proces. Adjustment	One-touch method(loosening prevention ballplunger method)		
	Processing Depth	0,05mm as a minimum unit		
Machine Capacity	Processing Angle	0° ~ 90°		
	Penetrating Angle	75°		
	Processing Depth	Minimum of 0,05mm, Maximum of 15mm		
	Processing Capacity	Using Material		Width(mm)
		Board	Minimum	18
			Maximum	48
		Pipe (When Processing 0,3mm)	50A	27
			100A	29
200A			31	
300A	33			
500A	43			
Machine Specification	Total Weight	6,0Kg		
	Output	220V/60Hz/1050W		
	Size	85×85×185H		
	Effectiv. Factor	4EA(65S501306-CM4-780) – user 8 surfaces		

- Designe and specification of this product are the version as of -S- gSk 201 (.
- 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.

S-300HV

Heavy Pipe Dual Cutting & Beveling Machine
(Customizable products)

- Cutting M/C + Beveling M/C = S-Cutter
- The minimum working space
- Higher productivity
- Full Automatic(CNC)



Model		S-300HV	S-600HV	Remark
Description	Unit			
Cutting Diameter	mm(inch)	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	2	Full Auto
Centering Adjust	mm	200	350	Full Auto
Hydraulic Unit	Kw	3.75	6	Full Auto
Size(LxWxH)	mm	350x1400x2000(2200)	2800x2000x2500(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.

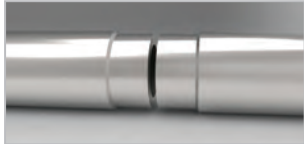
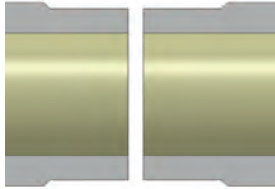
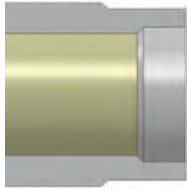


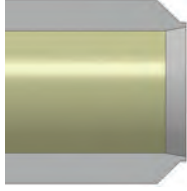


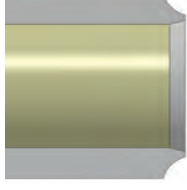
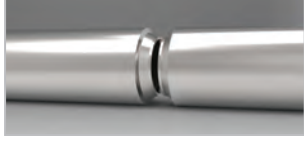
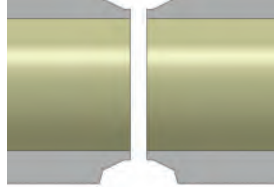
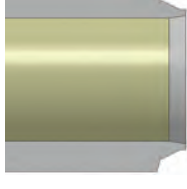
First time in the world!

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 Conveyor/Coolant System.

▶▶ Refer to back for examples

► S-300HV, S-600HV

Improved forms	Example	
	Double-sided	Single-sided
<p>I-shaped</p> 		
<p>V-shaped</p> 		
<p>U-shaped</p> 		
<p>DV-shaped</p> 		

※ The above example shows the processing capacities of S-300HV and S-600HV models.
 ※ Full Automatic Machine can process various forms.



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