

REBAR CUTTER & BENDER
AUTO REBAR CUTTING & BENDING SYSTEM
REBAR STRAIGHTENING & CUTTING MACHINE
REBAR COUPLER SYSTEM

REBAR COUPLER SYSTEM KCP-41



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Rebar Coupler System

KCP-41

Feature & Expectancy Effect

- ▶ Advanced mechanical equipment applied with elaborate and exquisite technology.
- ▶ The optimized machine for growing demand in the field of mechanical splicing of rebar.
- ▶ Cost reduction by simple construction, increase of company profit by the effect of construction period reduction

Specifications

Power consumption	-42kw	Swaging	18.5 kw
		Chamfering motor	9.25 kw
		Rolling motor	11.25 kw
		Conveyor	0.75 kw
		Compressor	2.25 kw
Power	-220V / 380V 3PH		
Swaging time	-8 sec/cycle		
Chamfering time	-10 sec/cycle		
Rolling time	-5 sec/cycle		
Available rebar length	-1,000 ~ 9,000 mm		
Max. processing capability	-16 ~ 41 mm		
Loading capacity of feeding table	-3,000 kg		
Dimensions(L×W×H)	-10,500mm×5,000×1,300		
Weight	-5,000 kg		



Working process



Example of coupling construction method

A TYPE coupler

Rebar and coupler

Assembling two rebars with a coupler

- ▶ Typical type that can be used at the vertical member (below 6mm short rebar) which is influenced by the tension and compressive force.
- ▶ Suitable for PSC BOX, ILM, FCM, MSS of upper bridge and the 2nd concrete placing of architectural structure, construction of Slip-Form, ect.

B TYPE coupler

Confronting the rebars each other after assembling the coupler of long thread direction

Joint construction by rotating the coupler to the direction of short thread

- ▶ Typical type that can be used at the vertical member (below 6mm short rebar) which is influenced by the tension and compressive force.
- ▶ Suitable for the wire mesh pre-assembly applying a method of Pre-Fab, a vertical construction of big sized long rebar.

Division	Bar Dia	D10	D13	D16	D19	D22	D25	D29	D32	D35	D38	D41
Outer diameter		17	19	23	28	33	38	43	48	53	57	60
Length		22	30	38	45	50	58	65	70	75	80	86
Thread	Name	M10	M13	M16	M19	M22.5	M25.5	M29	M32	M35.5	M39	M42
	Pitch	1.5P	1.5P	2.0P	2.0P	2.5P	2.5P	3.0P	3.0P	3.5P	4.0P	4.0P

Plan

