

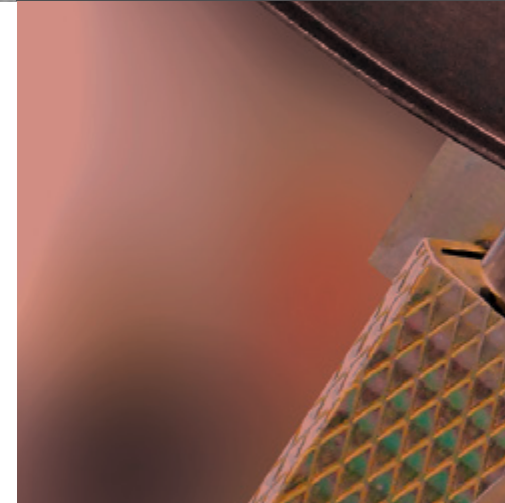
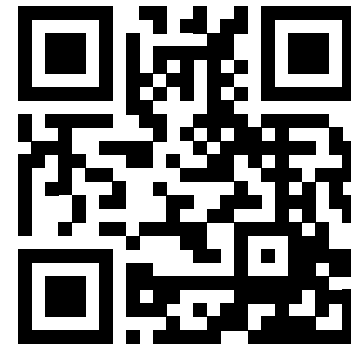
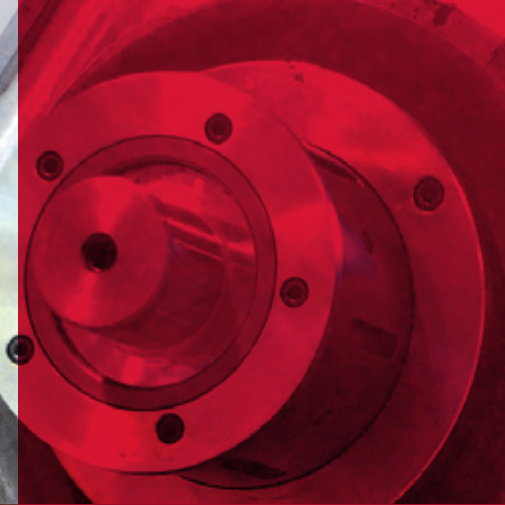
# NO LIMIT ON SIZE ROLL UP TO **THE LARGEST**

AKYAPAK offers a broad range of sizes of large angle bending rolls. All AKYAPAK APK angle rolls have extremely strong frames constructed of welded ST-52 steel. Thanks to the combination of large roll shaft diameters and oversized bearing assemblies, APK machines can produce more bending power and torque with less flexing of the roll shafts. Less flexing produces rolled parts with less deformation.

All 3 rolls are driven at all times via hydraulic motors and planetary gearboxes. Large hydraulic cylinders are used to adjust the two bending roll positions independently of each other. The standard rolls are induction hardened and can roll a wide variety of sections.

The guide rolls are independently adjustable hydraulically in three axes, helping to reduce the twist when rolling asymmetric sections like angles and helping to support large sections being fed into and out of the machine. Because their adjustment is independent of the bending roll movements, the guide rolls can even be used to calibrate the rolled diameters.

A wide variety of options, such as devices for rolling beams and channels on X-X axis, material supports, and special rolls for pipe, round, square and rectangular tubing and other sections are available.



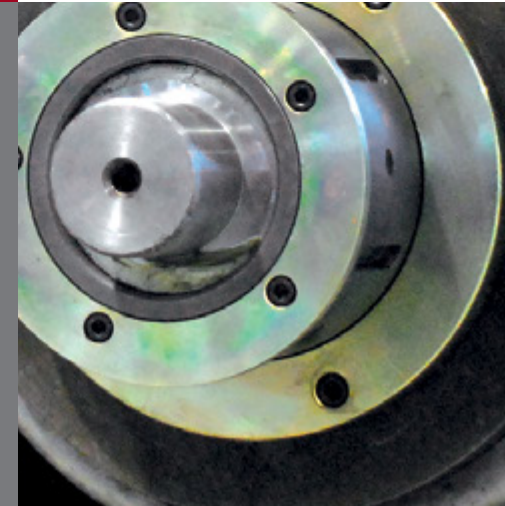
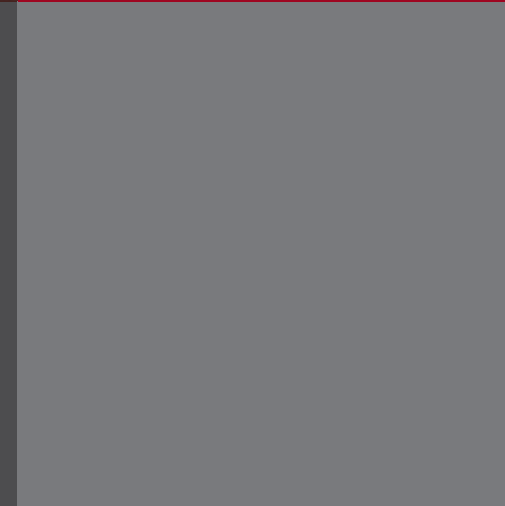
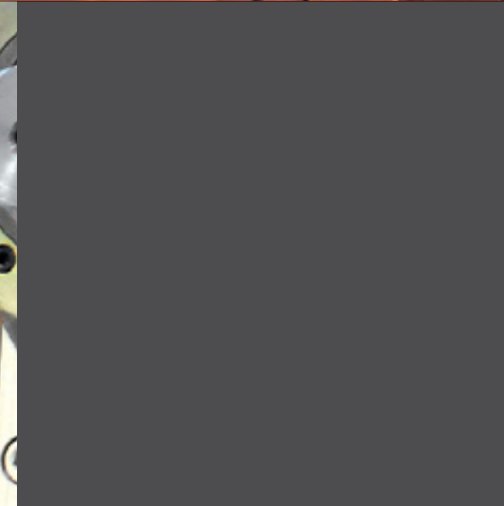
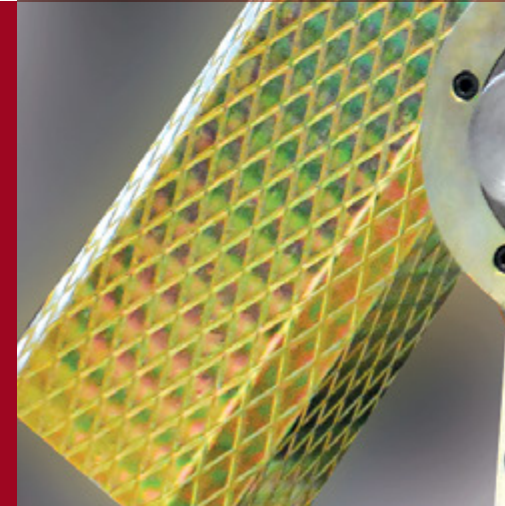
**AKYAPAKUSA®**  
METALWORKING TECHNOLOGIES

# APK

## ANGLE BENDING ROLLS

MODELS: 121 - 101 - 81 - 61 - 50 - 45 - 40 - 35 - 30

AKYAPAK USA LLC  
1300 LANDMEIER RD.  
ELK GROVE VILLAGE, IL 60007  
info@akyapakusa.com  
www.akyapakusa.com  
PHONE: 1 844 872 2575



### Equipment:

- Machine body is steel (ST-52) construction
- OnAPK101, APK121 rolls are driven by a hydraulic motor+planetary gearbox and gears
- Shafts made of special steel, hardened and grounded
- On APK101 guide rolls are in one direction manual adjustable
- APK121 guide rolls are in two directions hydraulic adjustable
- One set standard rolls
- Manual lubrication
- Lower rolls hydraulic moveable up and down
- Digital display for lower rolls
- Separate and moveable control panel
- Horizontal & vertical working
- 400Volt/50-60 hz
- Suitable for CE, ISO 9001-2008, TSEKand TURQUM certificates

### Optional Equipment:

- Special rolls for tubes, profiles and angles
- Special mechanic guide Rolls for bending angles (for APK 101)
- Special tooling sysems for bending U,I,H profiles
- Spiral bending device
- Variable speed of rotation
- Hydraulic adjustable guide rolls in two directions (for APK 101)
- Digital display for hydraulic guide rolls
- NCPlaybackControl System
- CNCGraphicControlSystem
- Motors in variable volt and frequency.



Technical Specifications	APK 101		APK 121		Dies
	Size and diameter inch.	min Ø	Size and diameter inch.	min Ø	
1		2' x 1/4" 28"	2'X3/16" 26"	5"X1/2" 52"	AE F
2		2' x 1/4" 32"	2'X1/4" 26"	4'X1/2" 44"	AE
3		WT4" 48"	WT5" 48"		A
4		WT4" 40"	WT5" 48"		A
5		WT4" 48"	WT5" 51"		A
6		1-1/2" x 3/8" 16"	1-1/2"X3/8" 20"	5"X1" 60"	A F
7		2' x 3/8" 16"	8"X2" 40"		A F
8		7-1/2" x 1-3/8" 40"			A F
9		1" 16"	3" 32"		A F
10		1-1/2" 16"	3-3/8" 36"		B
11		2' x 0.79" 24"	2'X0.79" 24"	6-1/4"x157" 118"	B
12		5-1/2" x 118"			B
13		2' sch. 40 16"	5"sch. 40 70"		B
14		4" sch. 40 63"			B
15		1-1/2" x 1" x 0.78" 23"	5-1/2"x2"x196"		B
16		5-1/2" x 1-1/2" x 125" 157"			B
17		2' x 100 20"	3.5"x313" 40"		B
18		4" x 196 157"			B
19		C7" X 1275# 32"	C8"x228# 40"		AD F
20		C7" X 1275# 32"	C8"x228# 47"		AD F
21		W4" X 14# 50"	W6"x20# 51"		AD F
22		S7"X20 40"	S5"x10# 98"		AD F
23		W6"X16 47"			AD F
24			C5"x9# 315"		CB
25		SS"x1475 98"	SS"x1475# 98"		CB
26			W4"x13# 102"		CB
27			W6"x16# 59"		CB
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