

SAWPRO SJ-18

**Automatic Horizontal Carbide Saw
Top & Face Grinder**



The SAWPRO SJ-18 offers the ability to grind many tooth shapes in a single pass. It is a PLC Controlled machine with 2 servo driver axis (bevel and cross feed). The SAW PRO SJ-18 has a very user friendly interface with a 5.4" monitor. All one needs to do is input tooth shape, number of teeth, amount of stock removal and angles. With these automatic features one is able to obtain greater results and accuracy.











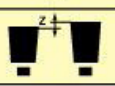
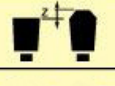


Tooth Shapes possible in one pass Grinding:

Face shapes:

1-1, 1-2, 1-3, 1-4 and 1-19

Top Shapes

3-1,3-2,3-3,3-4,3-7,3-11 and 3-19

				
		Work Programs		
Tooth Shape	1	2	3	
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
19				

Grinding Outer	Ø220 ~ Ø 700 mm / 8.6" ~ 27.6"
Saw bore diameter	Ø 10 ~ Ø 120 mm
Blade thickness	8 mm
Tooth Pitch	8 ~ 70mm
Height difference	3 mm
Peripheral speed	25 m/s
Grinding speed	0.5 ~ 10 mm/s
Grinding ability	20 teeth / min
Clearance angle	6° ~ 45°
Rake or Hook angle	0° ~ 40°
Bevel grinding at the tooth top	0° ~ 45°
Bevel grinding at the tooth face	0° ~ 30°
Connected load	1.7 KW / 2.3 HP
Grinding wheel outer * bore	Ø 125mm* Ø 32 mm
Machine size LxWxH	1450x1400x 1800 mm
Packing size LxWxH	1600x1550x2000 mm
NW/GW	650 / 800 kgs
Rev. speed of grinding wheel	5000 rpm
Grinding power	0.75 KW/ 1 HP
Coolant pump motor	0.1 KW/ 1/8 HP