

The FLAPSPEED PRO®

Your TOP GUN Tool For Rotary Flapper Peening



Benefits of using the FlapSpeed PRO®

- Meets all industry and company specifications
- Optimal speed maintained at all times
- Ensures reliable and repeatable peening
- Saves process data to USB key
- Improves process traceability and visibility
- Saves substantial set-up time
- Input Almen intensity or RPM
- Wins workforce motivation
- Increases productivity thus revenue
- Eliminates problems due to varying shop floor conditions



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The FlapSpeed PRO® Features and Specifications



SPECIFICATION	
Dimensions	L2 2.0" × W14.0" × H9.0" (L559mm × W356mm × H229mm)
Weight	21 lbs (9.5 Kg) empty, 27 lbs (12.3 kg) fully loaded
Protection	Weather Proof Impact resistant Exterior
CPU	TI AM3517
Control Signal	Proprietary Closed Loop Feedback
Response Time	0.3 to 0.5 sec
Repeatability	+/- 50 RPM
RPM Monitoring	Continuous
Alarm	Adjustable. Sounds when RPM is out of range
User Input curves	Intensity vs. RPM for 5 operators
Data Recording	Yes, through included 2 Gb. Memory key
Real Time Clock	Yes
Brightness Adjustment	Yes
Calibration Setup	Yes
Memory	256MB DDR2
Display	320 × 240 pixels, 5.7 inch QVGA Color Display -
Keyboard	Touch Screen
Motor Type	Brushless
Motor Input	24VDC
Motor Input Amp.	3.0 Amps DC
Operating Temp	32°F to 122°F (0°C to +50°C)
Sensor Type	Integrated in motor
Handpiece Cord Length	Up to 25 feet
Electrical Input	100-240V, 50/60Hz, 3.1A

USER INTERFACE

Description [input field] **User Name** [input field]

Default Intensity 0.008 (in)

Flap 9/16"x1 1/4" 9/16"x1" 1"x2"

Magnetic Correction 3M 0.77

Rotation Clockwise

Intensity Formula 0.002 + RPM * 2 **ok**

Job Input:

- Description
- User Name
- Almen Type
- Flap Type
- Magnetic Correction

Saturation Curve Menu

Cumulative Time	Measured Arc Height	Corrected Arc Height	First Estimate RPM
0.5	0.008	0.0068	3000
1	0.01	0.008	Related Intensity (in)
2	0.011	0.0086	0.008 (in)
4	0.012	0.0092	Plot Graphic
8	0.0125	0.0095	
16	0	0	

Clear Data

Input measured arc heights to generate a saturation Curve

Description Flap Peen Repair **Correction** 3M **Flap** 9/16"x1 1/4" **RPM** 2000

Rotation Clockwise

(0.001h)

Plot a saturation curve and find the intensity with integrated solver