SiliconWit.com

RECORD NUMBER
SAMPLE-B1

PROJECT RECORD · REVIEWED BY AN ENGINEER

The pusher: a crank slider that counts its strokes and stops on a jam

Designed, printed and built a crank-slider pusher, drove it from a microcontroller, and showed with measured data that it counts every stroke and stops itself on a jam.

Held by	**Sample Learner**
Issued	**25 November 2026**
Study time	**46 hours across the courses below**
How assessed	**The build, its files and a short video, reviewed by a SiliconWit engineer against five stated checks**

RESULT
5 of 5
All checks met

WHAT THE REVIEWER CHECKED

✓	Stroke matches the design	60.0 mm designed, 59.6 mm measured
✓	Speed holds under load	within 4% of the set speed, PI control
✓	Every stroke counted	500 of 500 strokes on video
✓	Stops on a jam	stopped in 0.21 s, 10 jams of 10
✓	A short report with the measured data	2 pages, numbers and plots

COURSE

Planar Mechanics · Mechanism Design and Simulation · Embedded Programming: ATmega328P · The build this sample follows

CONFIRM THIS RECORD

Scan the code or open **siliconwit.com/r/SAMPLE-B1**. The page shows whether the record still stands. A copied image proves nothing; the page does.

SAMPLE

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