



## SPIKER®-ES

The Spiker® ES is a needle peening tool that was designed for difficult-to-reach geometries.

### ADVANTAGES

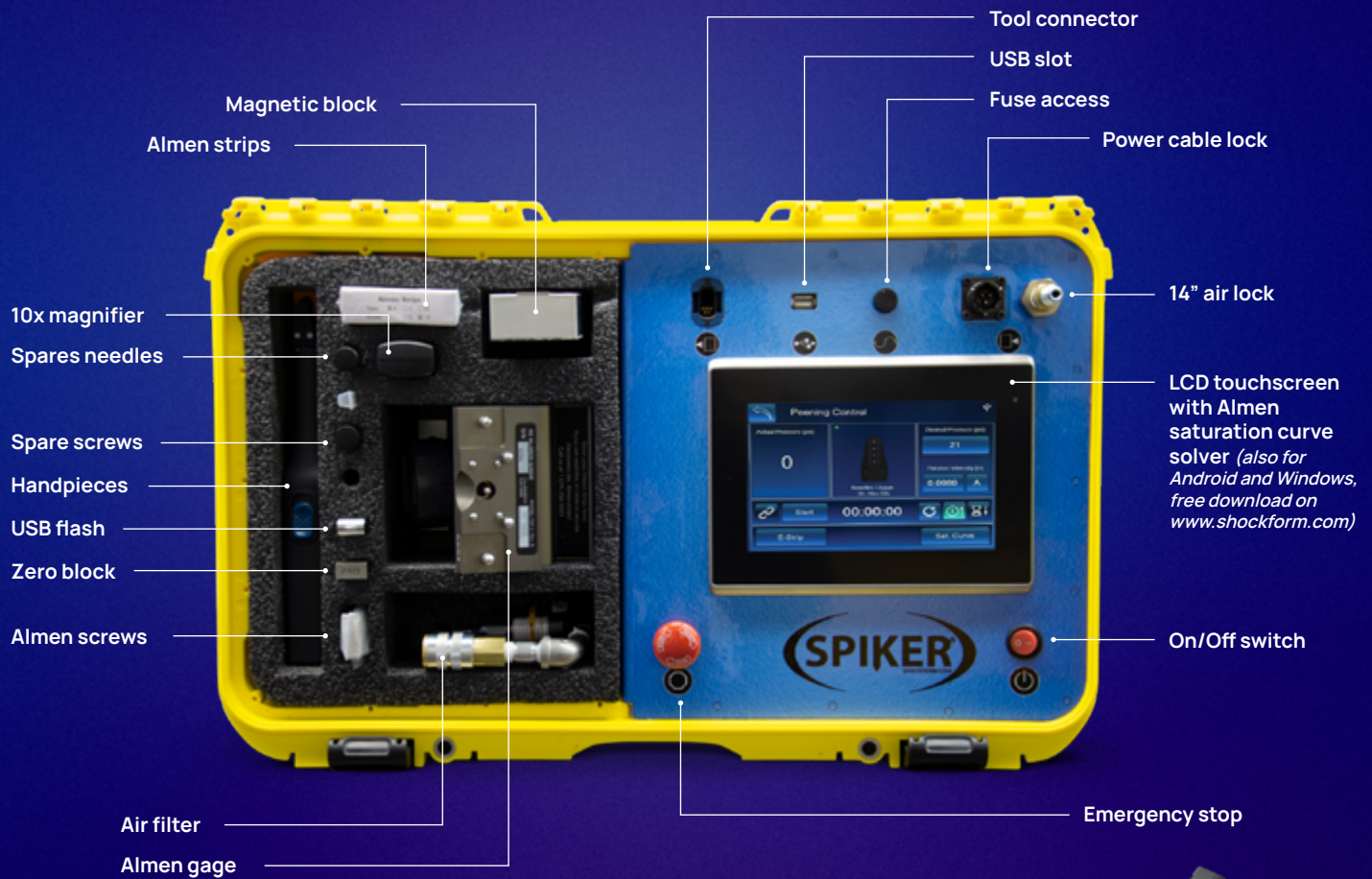
- Avoid risks of F.O.D.
- Intensity range 8N-15N/4A-16A
- Process date saved to USB key
- User-friendly color interface
- Very smooth surface finish
- Reliable and repeatable
- Easy to print report
- Deep compressive residual stresses
- Adaptable end caps for different geometries
- Peen flat surfaces, inner and outer radiuses
- Small head for hard to Reach Areas
- Significant cost saving potential
- Fast and effective repair peening

### Single needle head



### 4 needles linear head with 3 different end caps





## SPECIFICATIONS

|                         |                                                        |
|-------------------------|--------------------------------------------------------|
| Central unit dimensions | L22.0 x W14.0 x H9.0 in (L559 x W356 x H229 mm)        |
| Weight                  | 21 lbs (9.5 Kg) empty, 27 lbs (12.3 Kg) fully loaded   |
| Protection              | Weather proof impact resistant NK-7 Resin Exterior     |
| Control signal          | Closed loop pressure feedback                          |
| Repeatability           | +/- 1 PSI                                              |
| Pressure monitoring     | Continuous with alarm                                  |
| Solver                  | Integrated saturation curve solver for Almen intensity |
| Needle usage tracking   | Yes                                                    |
| Data recording          | Through 2GB USB Flash                                  |
| Calibration setup       | Yes                                                    |
| Display                 | 7 inch 800 x 480 color touchscreen display             |
| Pressure input          | 60 - 129 PSI (4 - 9 bar)                               |
| Handpiece cord length   | 25 Ft (7.7 m)                                          |
| Electrical input        | 100 - 240V, 50/60 Hz, 3.0 A                            |
| Certification           | CE                                                     |



## Spiker®-ES 2026 – Consumables and Spare Parts



|    | ITEM               | REFERENCE                                                                                                          |
|----|--------------------|--------------------------------------------------------------------------------------------------------------------|
| 1  | SPK-065            | Additional Air Filter                                                                                              |
| 2  | PRO-018            | Electrical Power Cord                                                                                              |
| 3  | SPK-CABLE Air/Elec | Additional hand piece cable 25 feet (7.7 meters)                                                                   |
| 4  | FPG-1000           | Almen Gage TSP3B                                                                                                   |
| 5  | SPK-SH1-HEAD       | Handpiece with one (1) single needle head                                                                          |
| 6  | SPK-LH4-HEAD       | Handpiece with four (4) linear head                                                                                |
| 7  | SPK-F4G90          | Handpiece flex with 4 needles                                                                                      |
| 8  | SPK-F1G9           | Handpiece flex with 1 needle                                                                                       |
| 9  | SPK-F4G20          | Handpiece flex 20 degree with 4 needles                                                                            |
| 10 | SPK-047            | Full Carbide needle 0.60mm tip (equivalent to S230)                                                                |
| 11 | SPK-LH4-3CK        | Kit of three (3) bottom cap for Spiker head (flat, inner radius, corner edge)                                      |
| 12 | SPK-023            | Cap for single needle handpiece                                                                                    |
| 13 | MAG-10X            | Additional magnifier 10X                                                                                           |
| 14 | A-1                | Almen Strips A-1 : 50 strips per box (price per strip)<br><i>Comes with certificate of conformity – Meets J442</i> |
| 15 | BULKA-1            | Almen Strips A-1 : Bulk of 1000 (price for 1000 strips)<br><i>Comes with certificate of conformity –Meets J442</i> |
| 16 | FPM-1000           | Magnetic block                                                                                                     |
| 17 | FPK-PRO-key        | USB Flash 2Gb                                                                                                      |

## Spiker®-ES 2026 – Consumables and Spare Parts



### Spiker® - SPK-102-LH4-ES

Includes:

- 1 Magnifier 10x (MAG-10X)
- 1 USB flash (PRO-044)
- 1 Electrical power cord (PRO-018)
- 1 Air filter (SPK-065)
- Allen keys (SPK-060-AK1.5 & SPK-060-1.3)
- 1 Certificate of Calibration traceable to NIST
- 1 User manual



### Spiker® - SPK-104-LH4-ES

Includes:

- 1 Magnifier 10x (MAG-10X)
- 1 USB flash (PRO-044)
- 1 Electrical power cord (PRO-018)
- 1 Air filter (SPK-065)
- Allen keys (SPK-060-AK1.5 & SPK-060-1.3)
- 1 Certificate of Calibration traceable to NIST
- 1 User manual
- 1 Almen gage TSP3B (FPG-1000)
- 100 Almen strips (A-1)
- 1 Magnetic block (FPM-1000)



### Spiker® - SPK-105-ES

Includes:

- 1 Magnifier 10x (MAG-10X)
- 1 USB flash (PRO-044)
- 1 Electrical power cord (PRO-018)
- 1 Air filter (SPK-065)
- Allen keys (SPK-060-AK1.5 & SPK-060-1.3)
- 1 Certificate of Calibration traceable to NIST
- 1 User manual
- 1 Almen gage TSP3B (FPG-1000)
- 100 Almen strips (A-1)
- 1 Magnetic block (FPM-1000)
- 1 single needle head

Talk to our team today! [sales@shockform.com](mailto:sales@shockform.com) • +1 450 430-8000