

Repair guide | A / P / X1 Carbon

Clear estimates. Credited assessment. Shared work charged once. | USD - service labor; parts extra

Problem / service	A1 mini	A1	P1P	P1S	P2S	X1 Carbon
Initial assessment	\$30	\$30	\$30	\$30	\$30	\$30
Nozzle clog / under-extrusion	\$45-\$60	\$45-\$60	\$45-\$60	\$45-\$60	\$45-\$60	\$45-\$60
Hotend replacement	\$30-\$45	\$30-\$45	\$45-\$60	\$45-\$60	\$30-\$45	\$45-\$60
Extruder jam / gear cleaning	\$60-\$90	\$60-\$90	\$60-\$90	\$60-\$90	\$60-\$90	\$60-\$90
Extruder / gear replacement	\$90	\$90	\$90	\$90	\$90	\$90
Heater / thermistor fault	\$90	\$90	\$90	\$90	\$120	\$90
Filament sensor replacement	\$90	\$90	\$90	\$90	\$90	\$90
Accessible fan replacement	\$60	\$60	\$60	\$60	\$90	\$90
Cutter / wiper / PTFE service	\$30	\$30	\$30	\$30	\$30	\$30
Belt adjustment + calibration	\$60	\$60	\$90	\$90	\$90	\$90
First-layer / print-quality setup	\$60	\$60	\$60	\$60	\$60	\$60
Wi-Fi / slicer / connection issue	\$60	\$60	\$60	\$60	\$60	\$60
Basic maintenance	\$60	\$60	\$90	\$90	\$90	\$90
Preventive tune-up	\$90	\$90	\$120	\$120	\$120	\$120
Major electronics / bed / motion	Quote	Quote	Quote	Quote	Quote	Quote

Assessment starts at \$30 and is credited toward approved repair labor. Deeper diagnosis requires another \$30 approval (\$60 total). A declined repair retains only the approved assessment charge.

Simple A/P/X1 nozzle clearing: \$45-\$60; internal teardown up to \$90 with approval. Basic maintenance excludes jam teardown. Comprehensive tune-ups retain the broader original scope. One hotend / extruder per line.

Ranges depend on access and severity. X2D / H2D Pro: assessment only, repairs quoted. Other than P1S / P2S / X1 Carbon, model allowances are provisional. Severe blobs, laser, cutting and tool-changing mechanism faults are quoted separately.

Repair guide | X / H series

Clear estimates. Credited assessment. Shared work charged once. | USD - service labor; parts extra

Problem / service	X1	X1E	X2D	H2S	H2D	H2C	H2D Pro
Initial assessment	\$30	\$30	\$30	\$30	\$30	\$30	\$30
Nozzle clog / under-extrusion	\$45-\$60	\$90	Quote	\$90	\$90	\$90	Quote
Hotend replacement	\$45-\$60	\$90	Quote	\$60	\$90	\$90	Quote
Extruder jam / gear cleaning	\$60-\$90	\$120	Quote	\$120	\$120	\$150	Quote
Extruder / gear replacement	\$90	\$120	Quote	\$120	\$120	\$150	Quote
Heater / thermistor fault	\$90	\$120	Quote	\$120	\$150	\$180	Quote
Filament sensor replacement	\$90	\$120	Quote	\$120	\$120	\$150	Quote
Accessible fan replacement	\$90	\$120	Quote	\$120	\$120	\$150	Quote
Cutter / wiper / PTFE service	\$30	\$30	Quote	\$60	\$60	\$60	Quote
Belt adjustment + calibration	\$90	\$120	Quote	\$120	\$150	\$180	Quote
First-layer / print-quality setup	\$60	\$90	Quote	\$90	\$120	\$120	Quote
Wi-Fi / slicer / connection issue	\$60	\$60	Quote	\$60	\$60	\$60	Quote
Basic maintenance	\$90	Quote	Quote	Quote	Quote	Quote	Quote
Preventive tune-up	\$120	\$150	Quote	\$150	\$180	\$210	Quote
Major electronics / bed / motion	Quote	Quote	Quote	Quote	Quote	Quote	Quote

Assessment starts at \$30 and is credited toward approved repair labor. Deeper diagnosis requires another \$30 approval (\$60 total). A declined repair retains only the approved assessment charge.

Simple A/P/X1 nozzle clearing: \$45-\$60; internal teardown up to \$90 with approval. Basic maintenance excludes jam teardown. Comprehensive tune-ups retain the broader original scope. One hotend / extruder per line.

Ranges depend on access and severity. X2D / H2D Pro: assessment only, repairs quoted. Other than P1S / P2S / X1 Carbon, model allowances are provisional. Severe blobs, laser, cutting and tool-changing mechanism faults are quoted separately.

AMS service & how pricing works

A practical repair plan before you commit. | Independent technical service

Problem / service	AMS original	AMS 2 Pro	AMS lite	AMS HT
Accessible feed-path jam	\$45-\$60	\$45-\$60	\$30-\$60	\$45-\$60
One feeder replacement	\$90	\$90	\$60	Quote
Internal hub replacement	\$120	\$120	Quote	Quote
Routine cleaning / feed checks	\$60	\$60	\$30	\$60
Electronics / drying / heater fault	Quote	Quote	Quote	Quote

Accessible jam prices apply to one feed path. Internal teardown: \$90 for original AMS, AMS 2 Pro or AMS HT; \$60 for AMS lite, only after approval. Additional accessible feeder on the same visit: typically \$30 labor per slot; parts extra.

One assessment credit	The \$30 basic assessment covers up to 15 minutes. Deeper diagnosis adds \$30 with approval. The approved assessment charge is credited toward repair labor, not added on top.
One combined estimate	Overlapping teardown is charged once. Cleaning followed by replacement of the same part is one job. Known wear-item service does not require a separate diagnostic charge.
Combined-work example	P1S extruder jam plus comprehensive tune-up: \$150 labor if both fit a 75-minute combined scope, versus \$210 separately. Example only; inspect and approve scope first. Parts extra.
Your total, explained	Approved labor + approved parts + applicable tax / shipping. Travel separately quoted. Routine verification is included; unattended print time is not automatically technician labor.
Work that stays worthwhile	We discuss replacement alternatives when the full repair approaches 40% of a suitable replacement. Condition, remaining life, availability and downtime inform the recommendation.
Labor & small additions	\$120/hour planning basis; additional hourly work is \$30 per 15 minutes with approval. Fixed-price quick tasks may use shorter allowances. Accessible add-ons typically \$15 each; parts extra.

Estimates are shop allowances, not manufacturer repair times. No manufacturer warranty authorization implied. This schedule supersedes earlier repair pricing sheets.