

Customer requirements -- unsorted comments from interviews

We visited an electronics lab to experienced technicians about their desire for a fume extractor for use during soldering
We asked them what they would be looking for in such a device. After their initial response, we asked further questions
The initial response and the answers to follow-up questions are listed below.

Initial response

Benchtop device

Removes smoke

Out of the way

Speed control and on/off

Control direction

Quiet

Effective

Cheap

Safe

Answers to follow-up questions

big as your hand; Doesn't interfere with soldering; easy to move;

Sucks all smoke away; Exhaust, doesn't just mix the air; No smell; Vents to outside

Doesn't take up too much space; Doesn't interfere with soldering; Stores away when not in use;

Variable speed; three settings; On-off switch and rotary speed control; Auto-sensing; Remembers settings

Goose neck; hanging arm; Stays in place; Clamp?; lightweight

Can listen to music; Doesn't whine; Don't know it's on

Sucks all smoke away; Exhaust, doesn't just mix the air; No smell; Vents to outside

\$10; \$25 if it really works; DIY only; less expensive than soldering iron

Can't stick finger into fan; No electrical hazard; No fire hazard; Removes smoke, doesn't just mix it