Mason Frame

Sketch Model Review
Orange A
Repointing brick is slow and expensive work

- creates large amount of dust and noise
- has no specialized tool
- causes worker fatigue
- difficult to maintain high quality
The **Mason Frame** assists workers in mortar removal by minimizing **fatigue**, enhancing **quality**, and eliminating **dust** and **noise**.

- horizontal and vertical guides
- removes weight of tool
- maintains depth of cut
- vacuums dust
- reduces noise
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Existing technologies are present but inadequate

Hand-held grinder
• grinder disk or router bit
• $300-600 (commercial)

Vertical Panel Saw
• frame unit that gives circular saw controlled axes of motion
• $1000-6000
Improving repointing ➔ large opportunity

14 million brick buildings in US

700,000 repointings per year

140,000 contractors

30% market penetration,
  3 units/customer, $1,000/unit

$126 million TAM

https://pixabay.com/p-19584/?no_redirect
https://www.census.gov/quickfacts/fact/table/US/PST045216
Our next steps are to...

- eliminate dust
- reduce noise
- maintain visibility

enhanced experience for masons, residents, and neighbors
Mason Frame

Orange is the new brick