easy tourné



product contract

customer need	product attribute(s)	engineering specifications
faster than cutting by hand	cutting time	<40% of average hand cutting time
easy to use	ease of cut	develop cutting path which requires <5 lbs of force
	automatic potato rotation	develop turning mechanism automatic which uses <5 lbs of force
fits in kitchen constraints	size	comparable to large pot, <18"x18"
	weight	easily moved, <15 lbs
cleanliness	easily sterilized	excess can be removed and internal cavities easily cleaned
FDA approved	uses FDA approved materials	uses stainless steel, delrin, etc



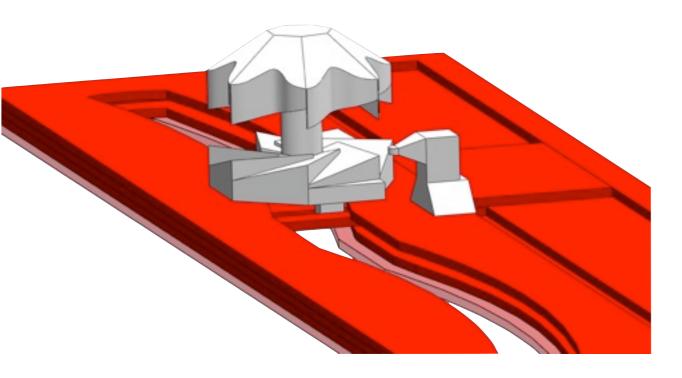
fits in kitchen constraints

size

weight

comparable to large pot, <18"x18" easily moved, <15 lbs

in the kitchen



concept 1
automated industrial mechanism

large counter top presence high cost and complexity industrial outputs

concept 2

human powered mechanism

easily fits in any kitchen considerably faster than hand cutting lower cost human powered

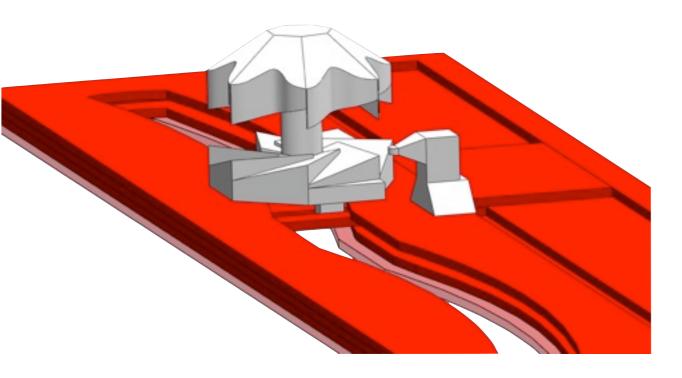


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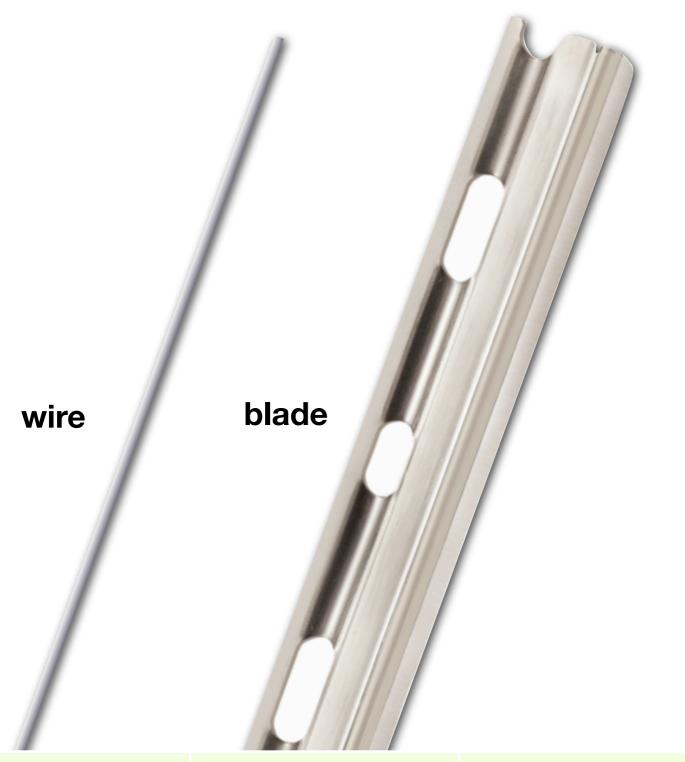
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easy to use ease of cut

develop cutting path which requires <5 lbs of force

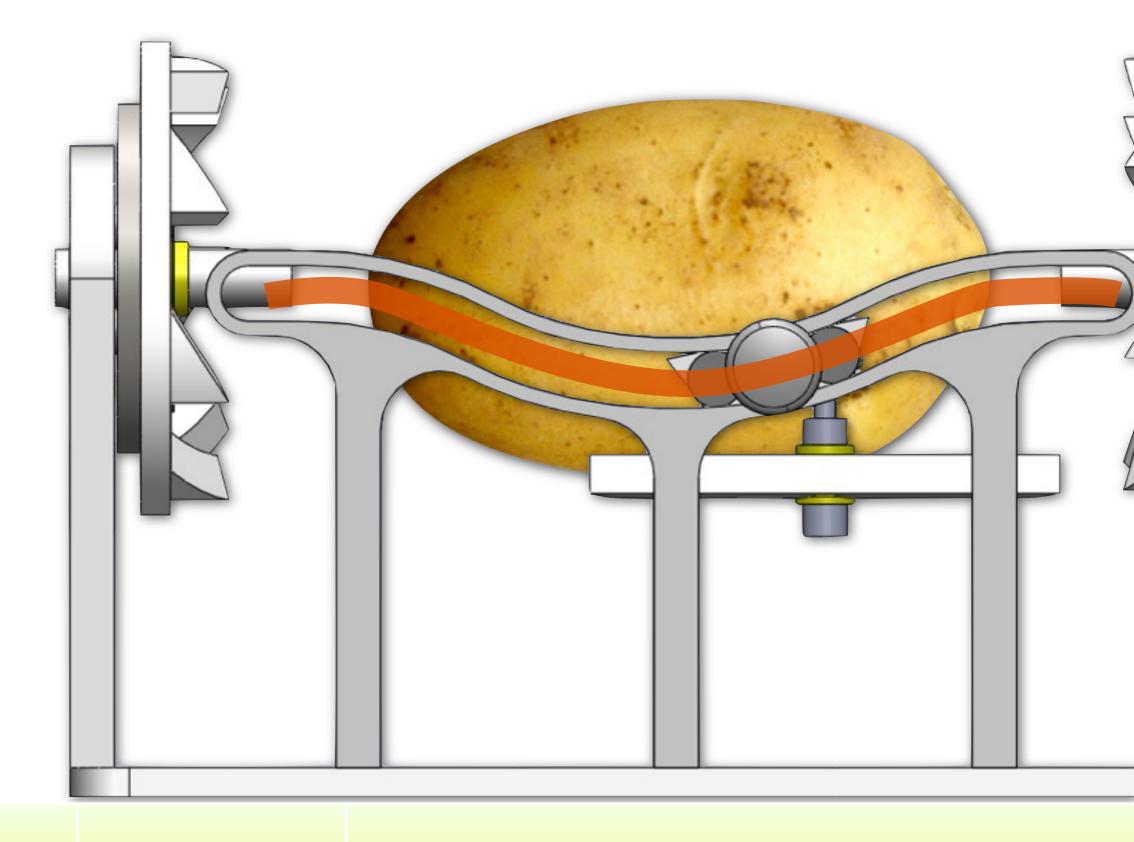




easy to use

ease of cut

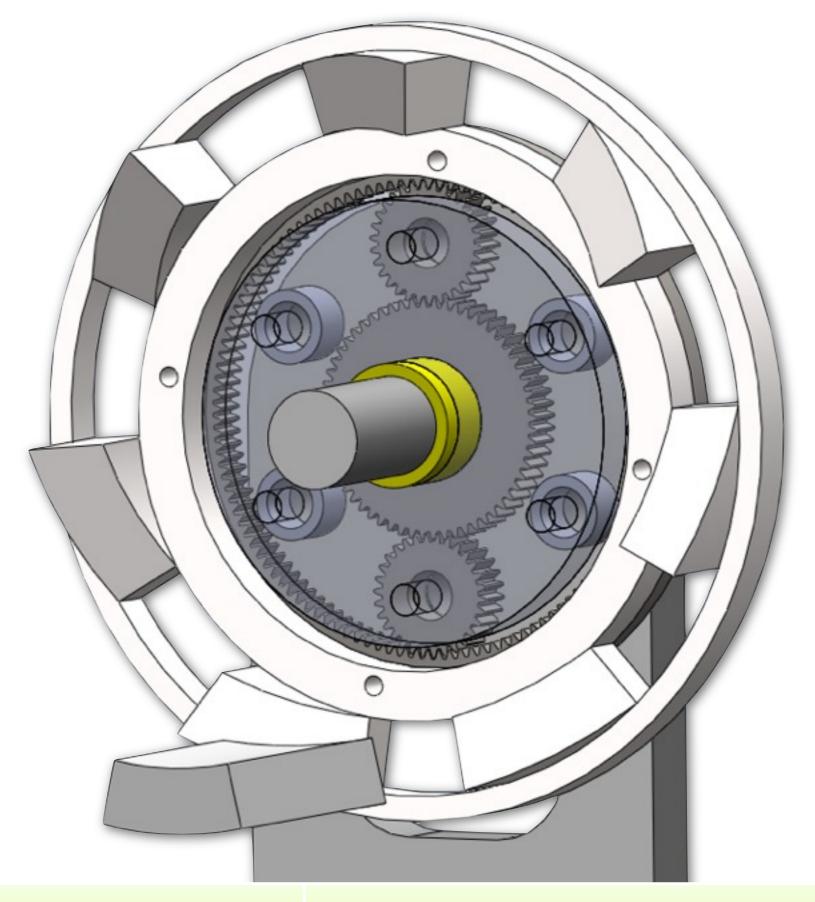
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easy to use

ease of cut

develop cutting path which requires <5 lbs of force



auto potato rotation

develop turning mechanism automatic which uses <5 lbs of force

time





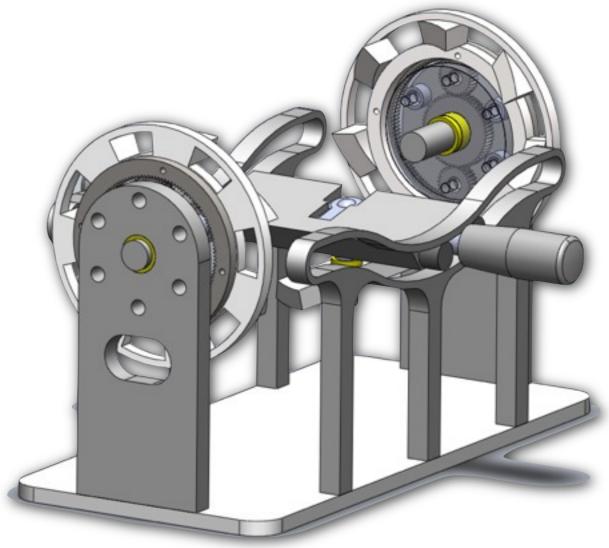




time



~60 seconds/cut with prep \$0.13-0.30 per tourne



~20 seconds per cut with prep about 1/3 cost per tourne

moving forward

cleanliness

scrap potato removal interior contours easily washable

FDA compliant

use food safe materials

potato constraint

hold steady during cuts easy removal/change

cost

manufacturability bringing it to home cooks

customer interaction

interview with Chef Jacky

