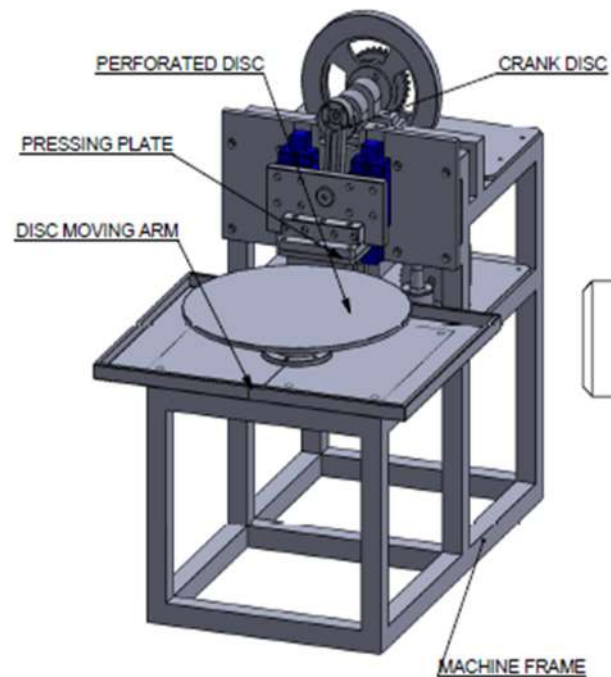


## 07. “Development of small scale Fish meat picking unit and its performance evaluation”

**Duration:** April 2016 – March 2020

Small scale Fish meat picking unit is machine of state of art technology and is a patentable technology very useful for entrepreneurs as a start-up's.

- The machine was designed based on the principle of impact and shear through the application of specific load at regular intervals. Fresh fishes would be loaded on the perforated disc and upon impact with specific load the meat will be separated and collected in a tray placed below the perforated disc. The machine has the provision to alter the load as well as rotational intervals/strokes and operational position of the perforated disc with a mechanism developed through state of art. The machine could separate the meat from different wild and fresh water fish species at various capacities. The performance evaluation details has been compared with the traditional meat picking machine.



Parameters	Re-Engineered Model	Japanese Model
Capacity (kg/h)	45-48	50-52
Efficiency (%)	88	92-93
Mobile/Movable	Yes	No
Separate collection trays	Yes	No
Lubricant seepage	No	Yes
Component replicable and availability	Yes	No
Complete component drawing	Yes	No
Reproducibility	Yes	No
<b>Total Cost of Unit</b>	6,40,000/-	Not Commercially available

