



isoliments

Innovative Facet of Design

Product Designing | Automation
CAD & CAE | Prototyping

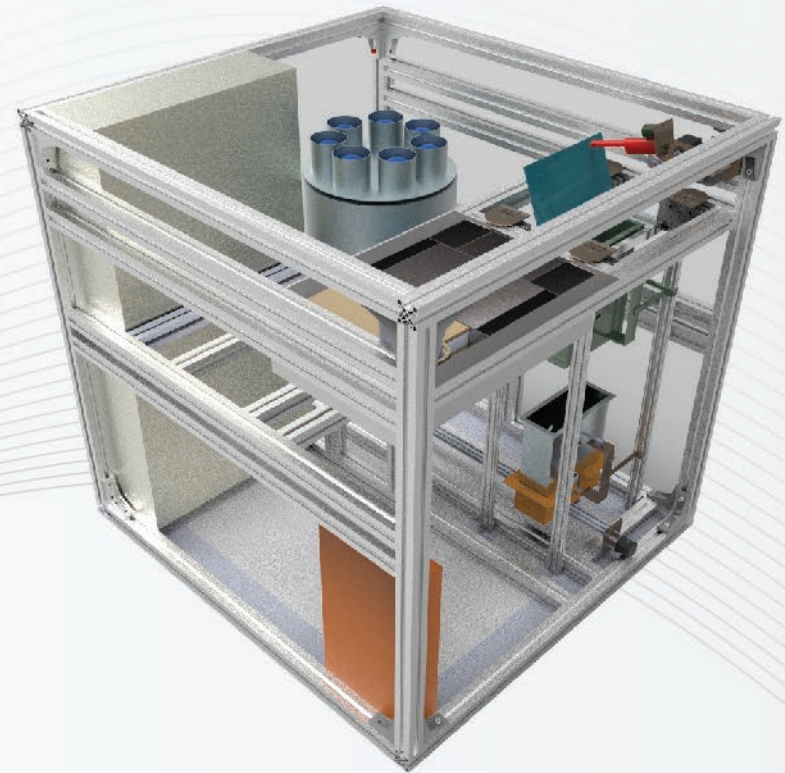
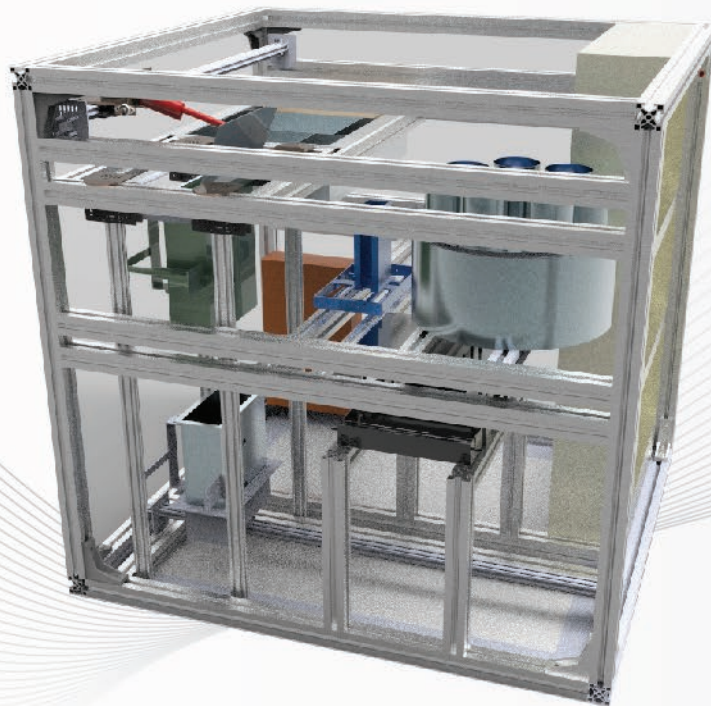
ISOLIMENTS

(Innovative facet of design)

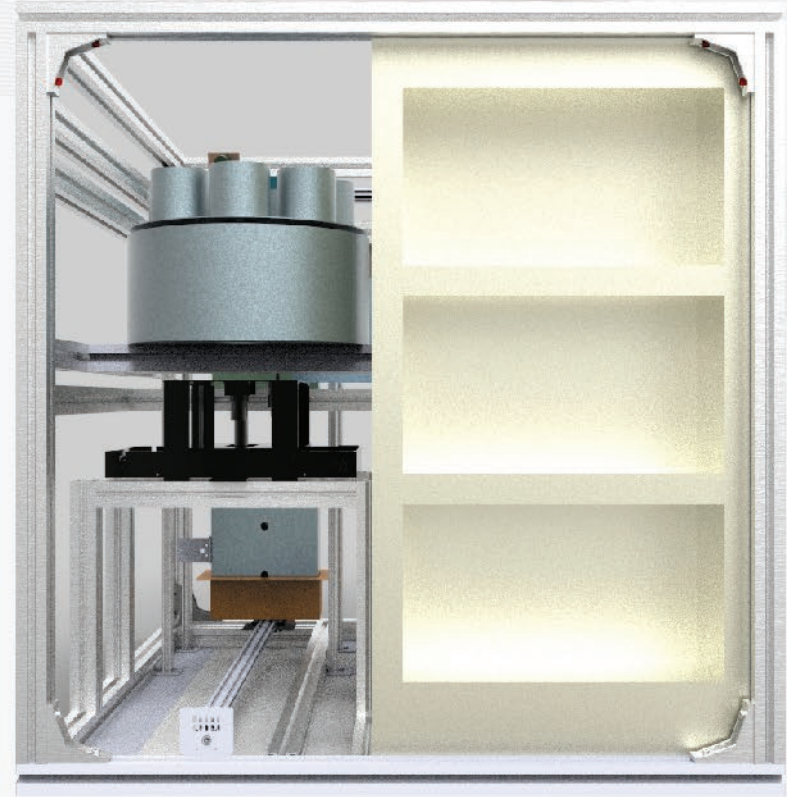
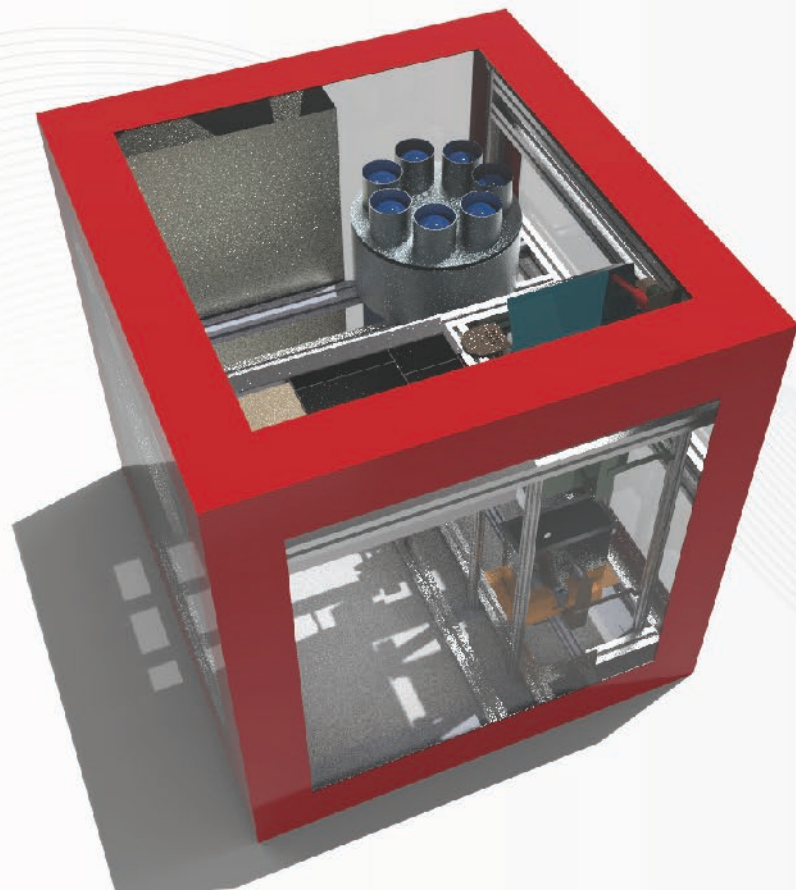
We have expertise in Product designing, automation and CAD services in various domains. We conceptualize and evaluate ideas, turning them into tangible inventions and products. Keeping balance between ergonomics and required functionality leads to perfect device. We endeavour to bring innovation to every objects that positively touches the life of every users. We deliver end to end solutions. We have collaborations with various service providers & manufacturers hence we deliver final functional product at Isoliments.

PRODUCT VENDING MACHINE

Designed this Amazing product Vending machine for Akantica business Intelligence Inc, USA. While traveling on Airports we find different product vending machines, they dispense different products but customers faces problem to carry that product because customer may not have carry bag for that. To solve this problem this machine is designed in such way that it will dispense any product in paper carry bag according to size of product.



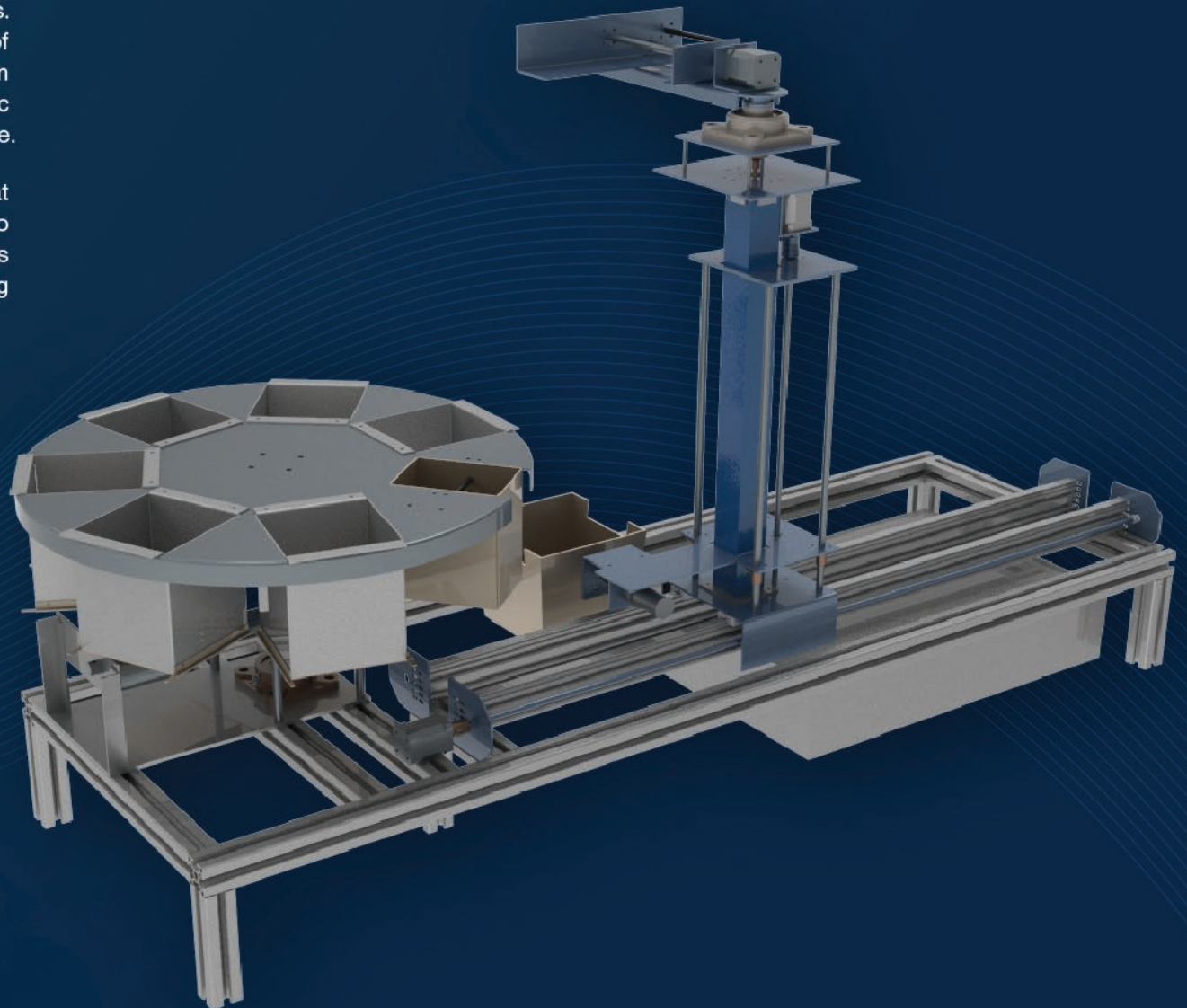
PRODUCT VENDING MACHINE



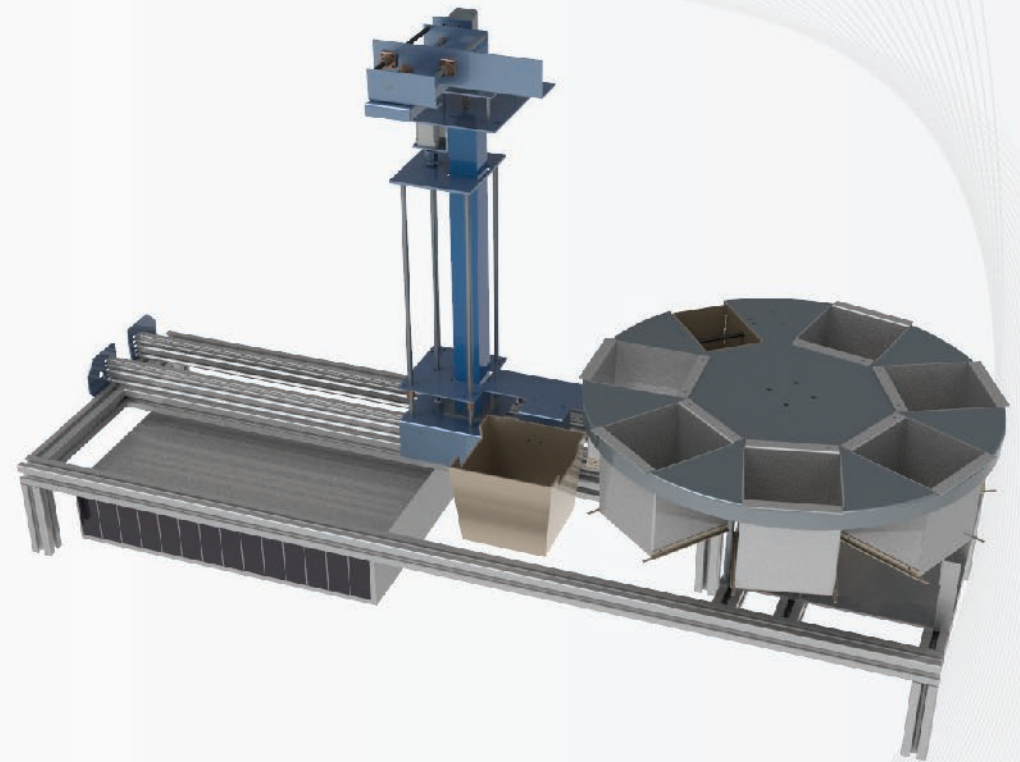
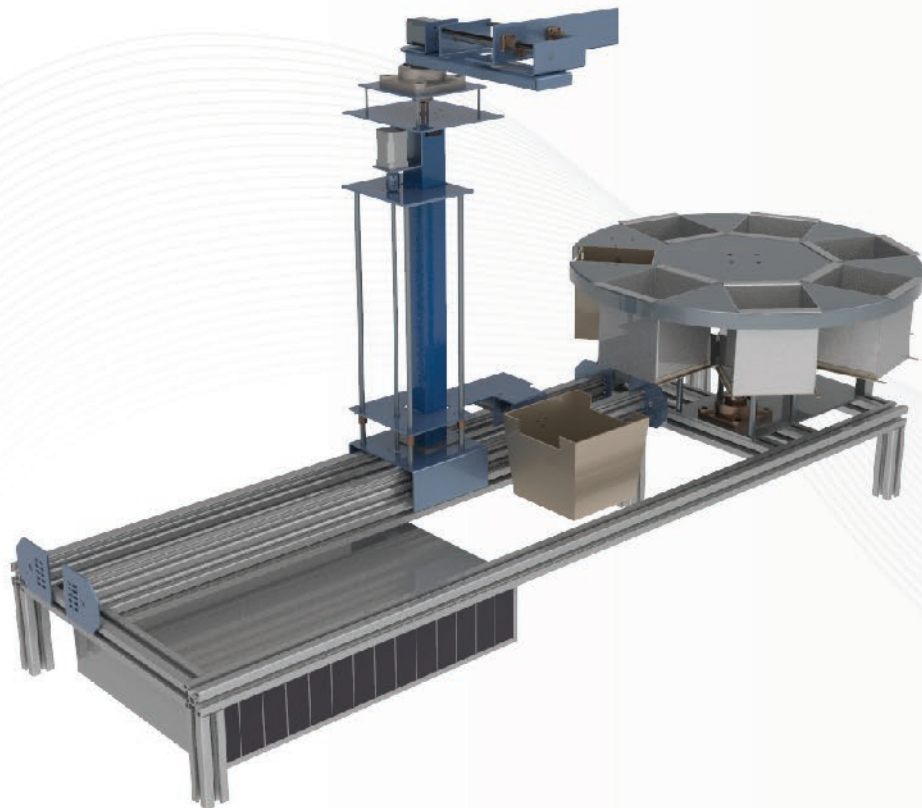
MATERIAL HANDLING & SPRAYING ROBOT

This machine is designed for handling and transferring granules of different colours between different stations. This machine is used in Paint industries. Stacking of material is done in such way that it will solve the problem of space availability for installation, use less electric components, reduce the cycle time, light weight structure.

To clean the containers water sprayer arm is provided at top of robot, space is provided to fit grinder and mixer to convert granules into powder form. This machine is completely designed in Isoliments from concept designing to final prototype.

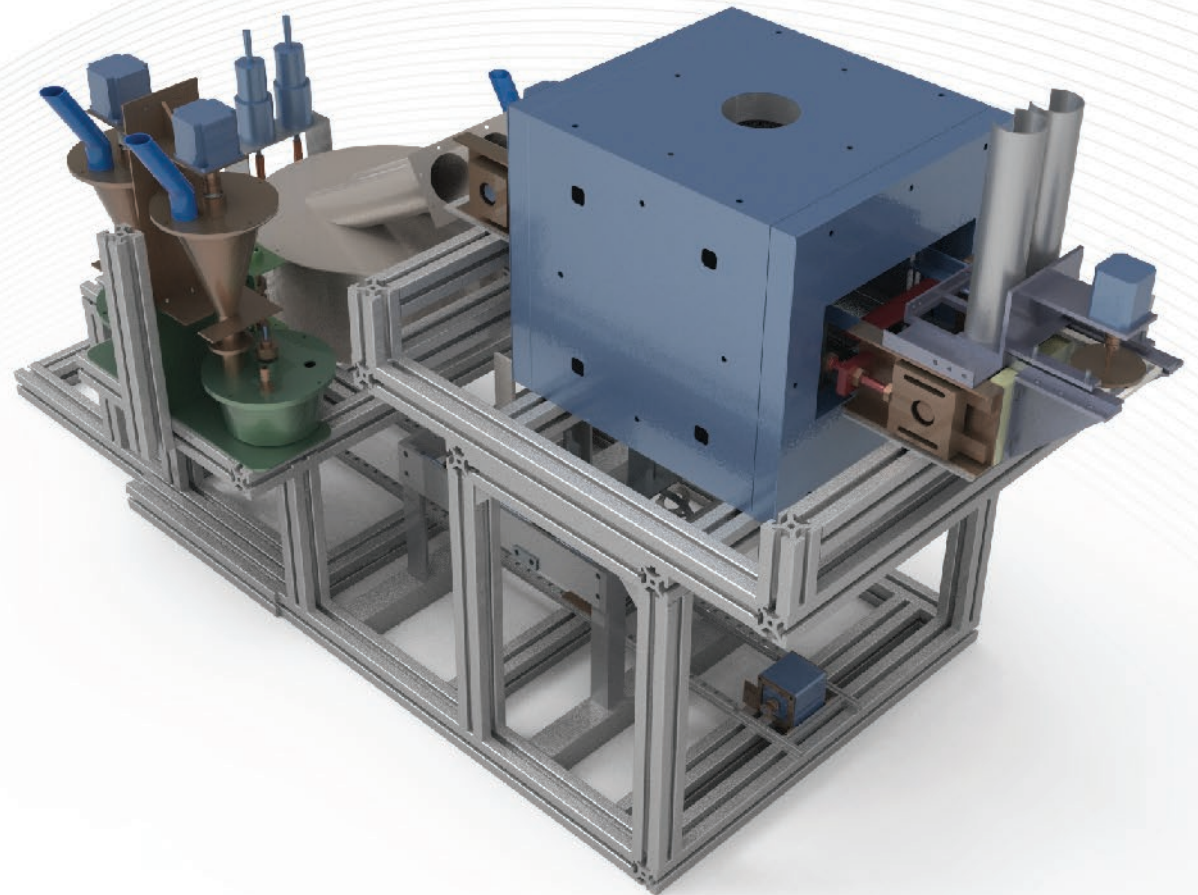


MATERIAL HANDLING & SPRAYING ROBOT

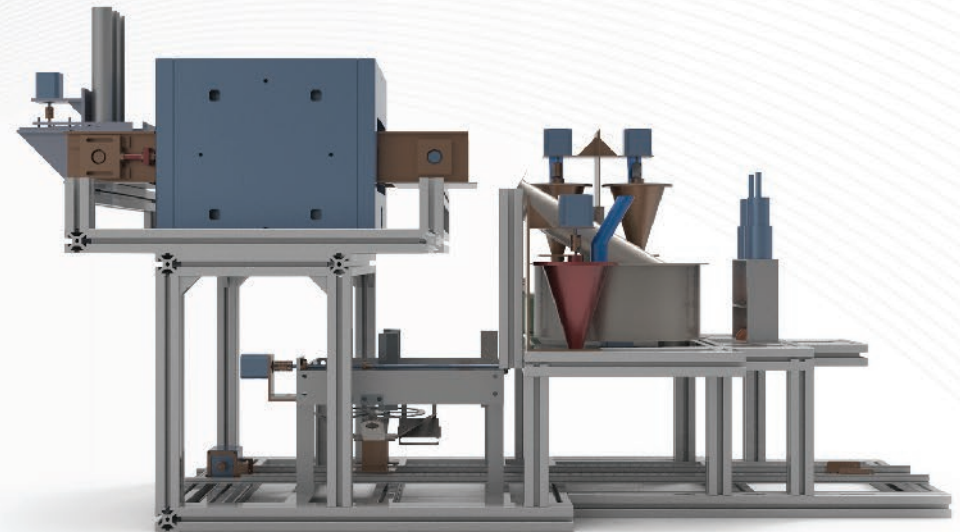
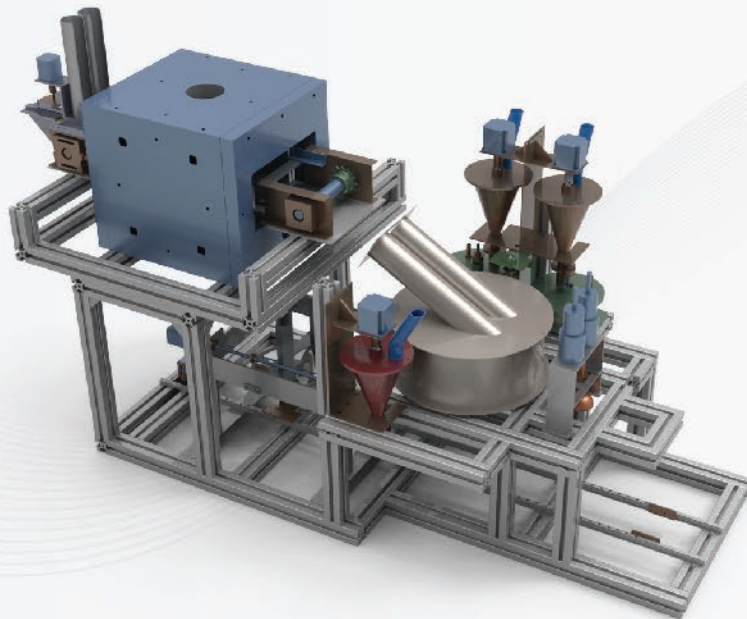
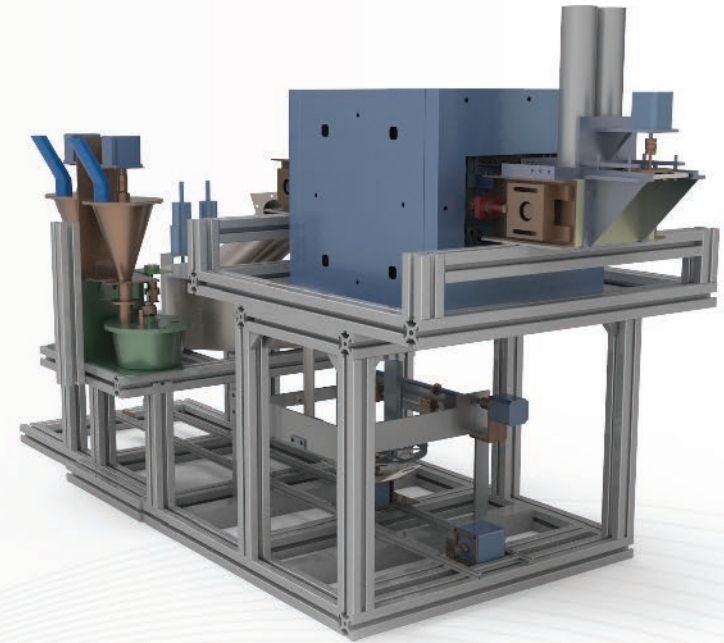


FOOD AUTOMATION & VENDING MACHINE

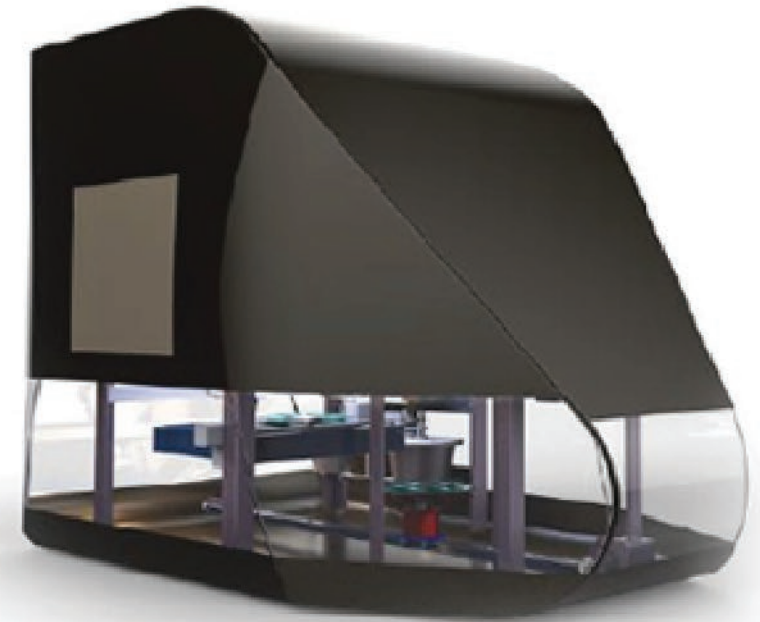
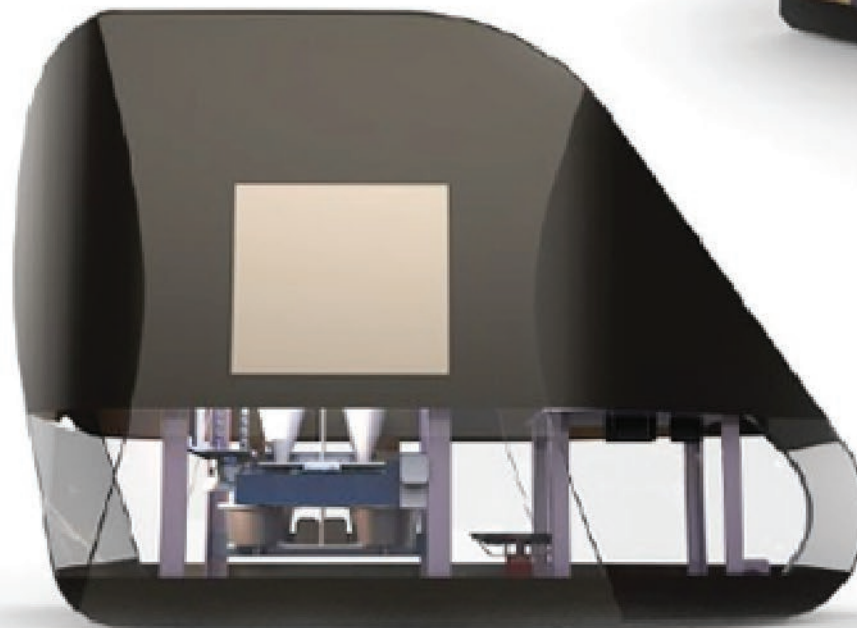
Idea behind this machine is to introduce Indian food in overseas with high hygiene value. Client want to have fully automated vending machine for panipuri. So we came up with this model which fully automated panipuri machine. It is capable of making panipuri from raw puri pellets and powders of potato, spice and sweet. Also customer can order panipuri according his spice level. Research, material selection, mechanism, design calculation all mechanical part is under our scope. This design is developed for Dominix.



FOOD AUTOMATION & VENDING MACHINE



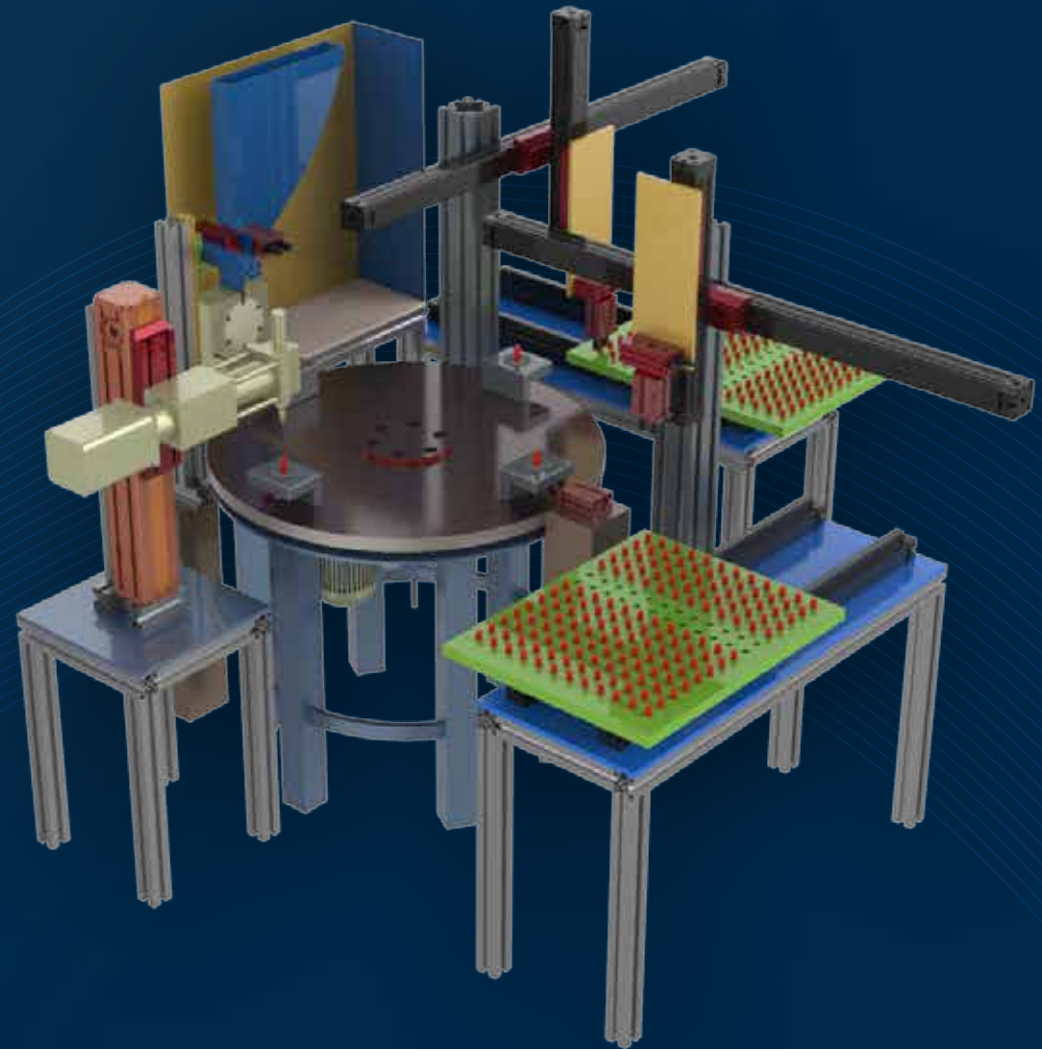
FOOD AUTOMATION & VENDING MACHINE



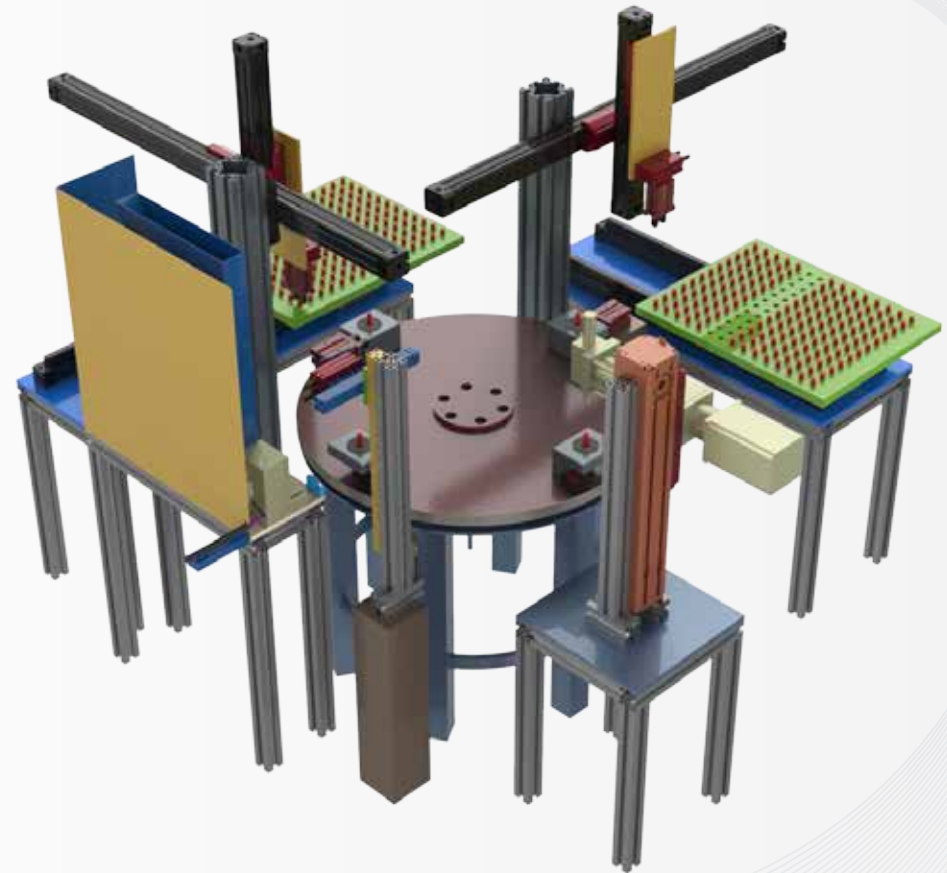
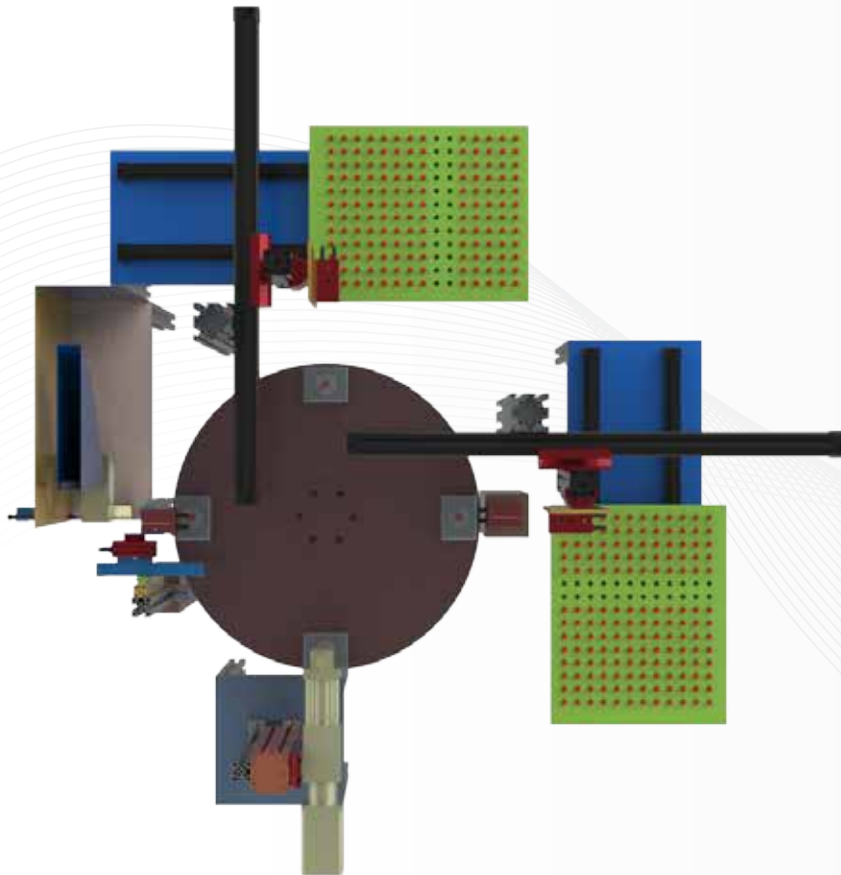
E CIGARATE CARTRIDGE FILLING AND CAPPING

SPM designed for filling oil in
ecigarate cartridge

This SPM I designed for one of our USA based client. Client wanted to fill cartridge by 1ml precisely and seal it by cap. So we came up with design in which SPM can hold and dispense 200 cartridge in systematic manner for filling 1ml of oil and sealing cap on it. After sealing cartridge is placed in following mechanism for packing in box.



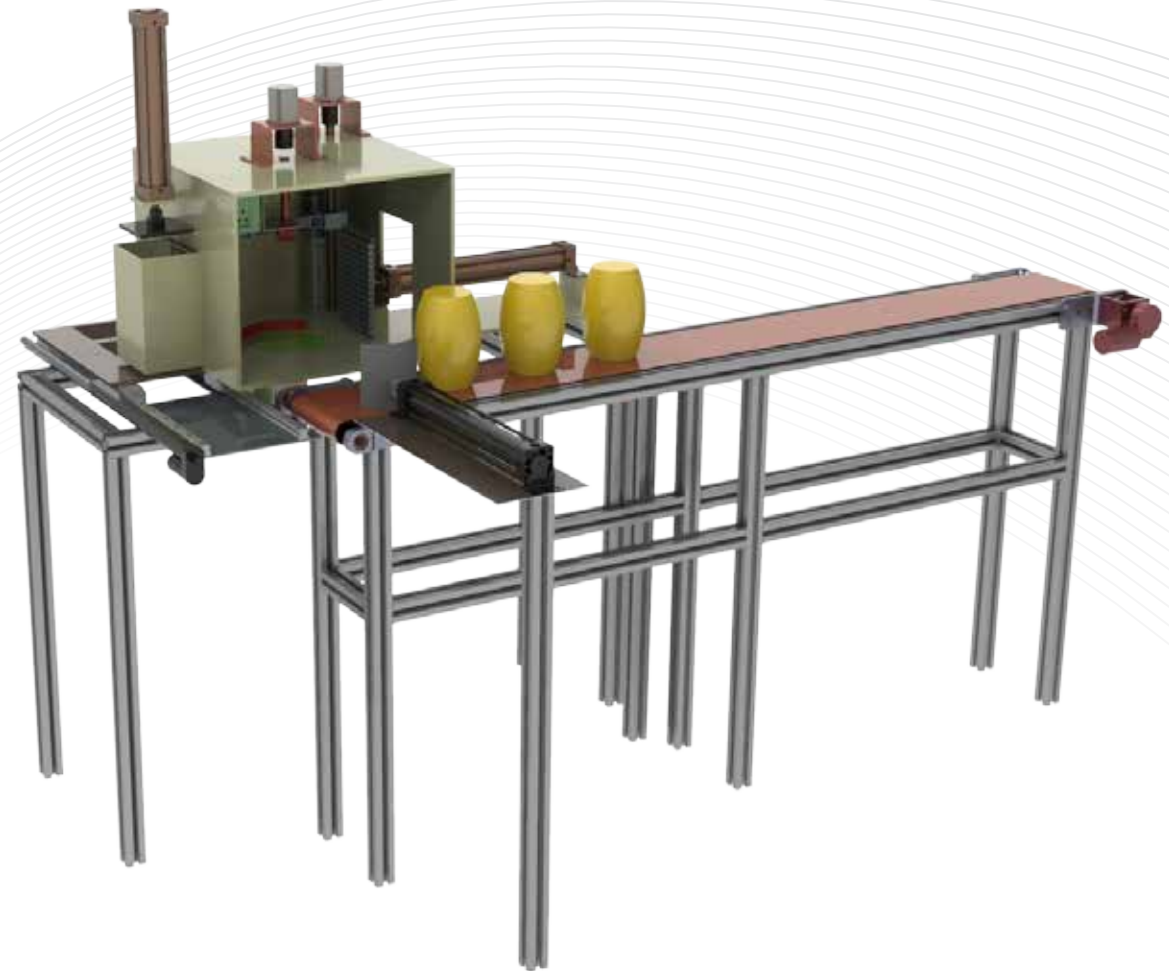
E CIGARATE CARTRIDGE FILLING AND CAPPING



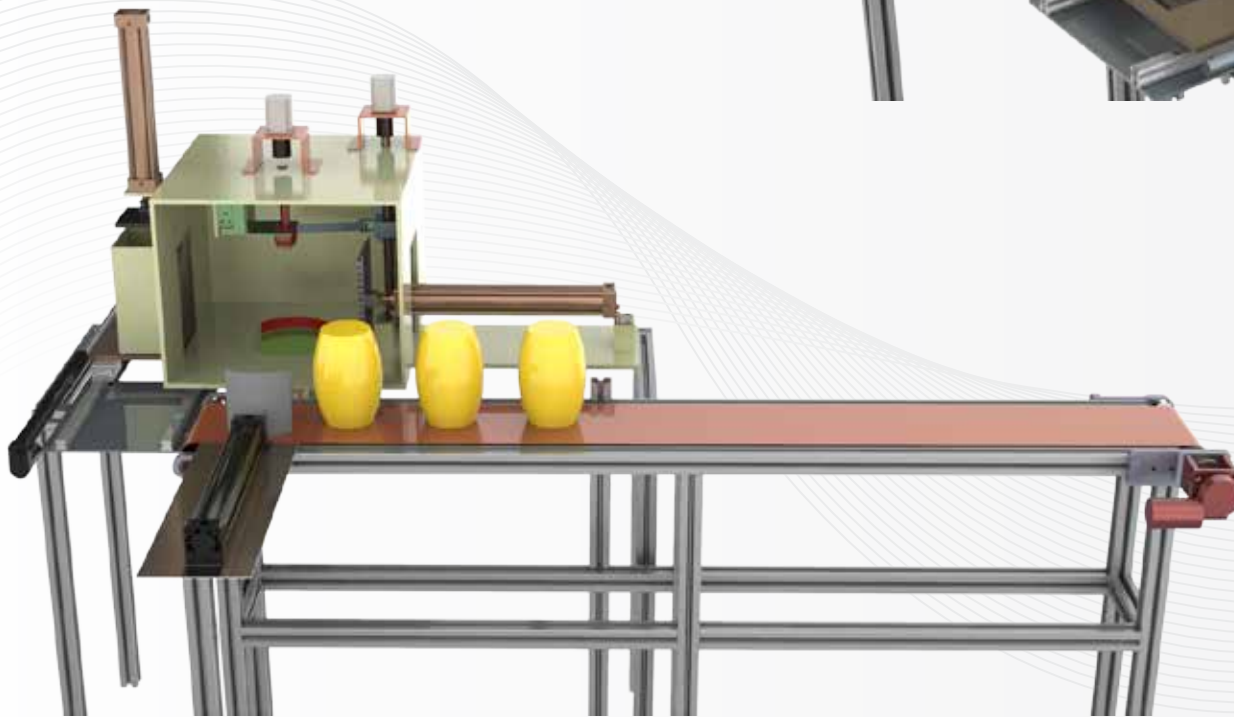
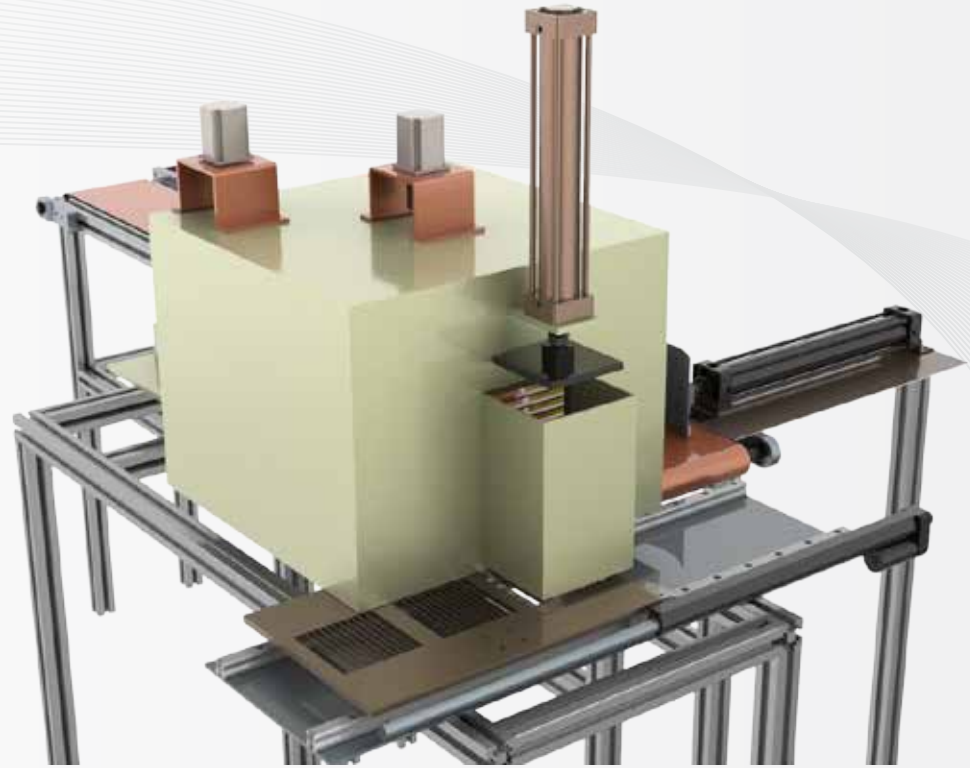
FRUIT CUTTING MACHINE

Machine is capable of peeling pineapple and cut in cubes or round disk.

Machine is designed for one of our US based client. Purpose of the machine is to peel pineapple and cut into round disks or cubes of variable size. This machine is operated by pneumatic system. This machine is completely automated for keeping high hygiene level.



FRUIT CUTTING MACHINE



GRANULATION MACHINE

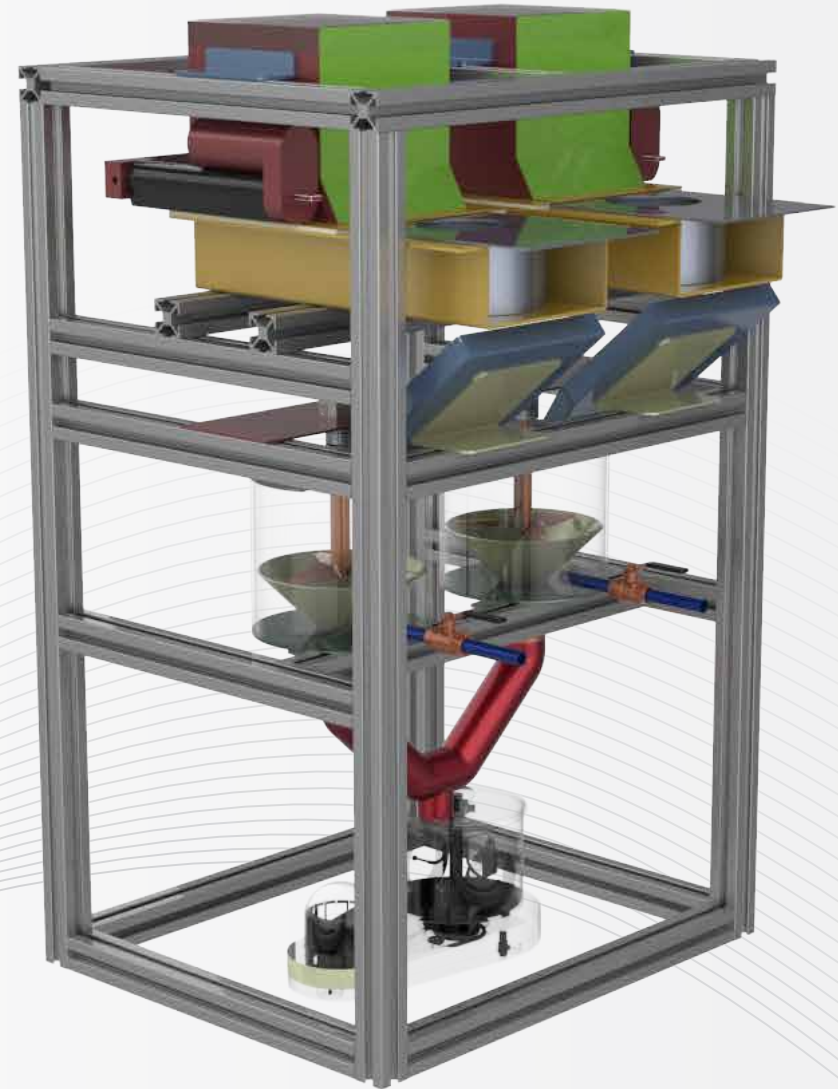
This machine designed for project run by Government of India. This machine is designed for doing granulation of specific chemical material. This material is explosive in nature so machine is designed in very specific manner with high safety value and for doing completely man less operation.



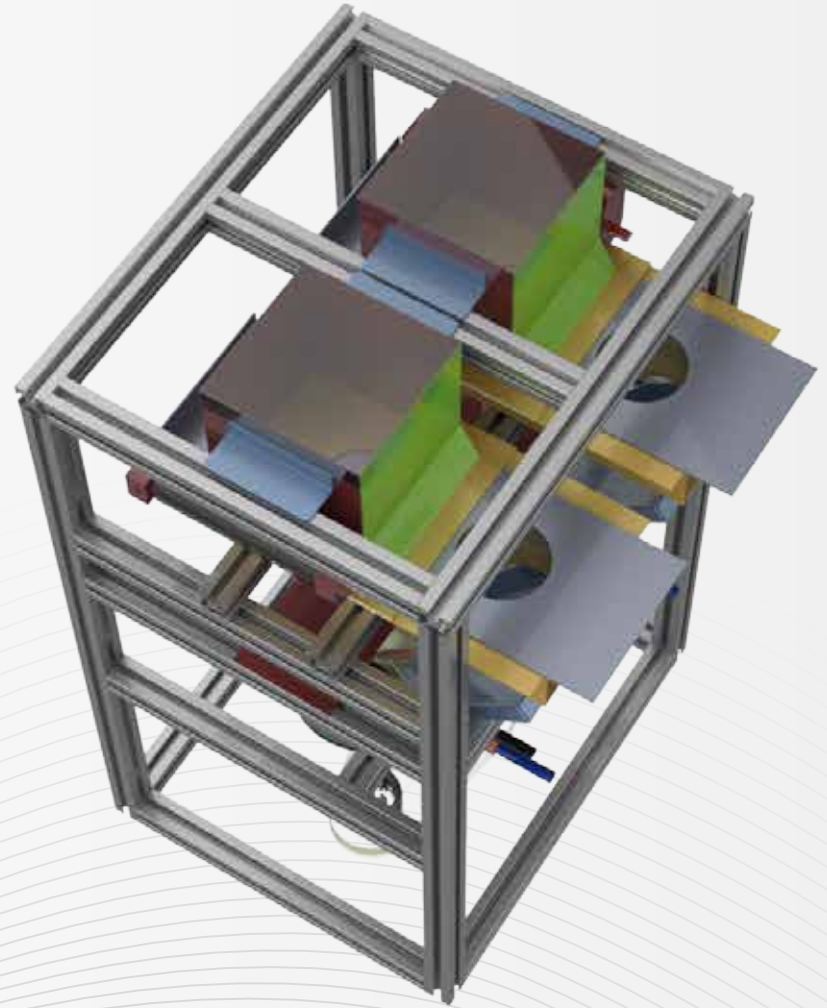
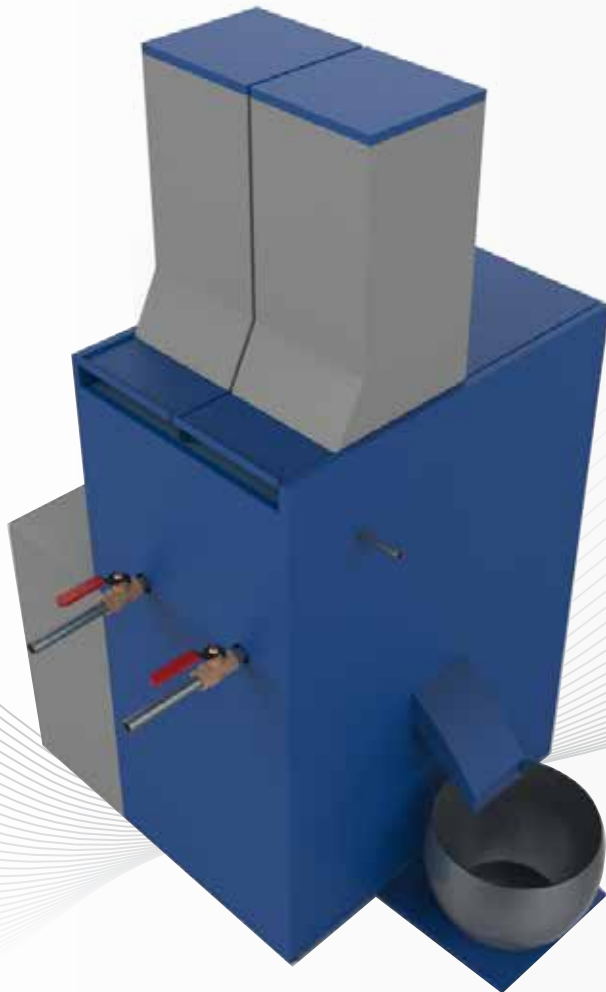
FOOD PROCESSER MACHINE

Idli batter making machine

This specially designed machine is capable of making idli batter from its raw material automatically taking specific amount of contents from storage and having washing and dispensing capacity. Designed for household application.

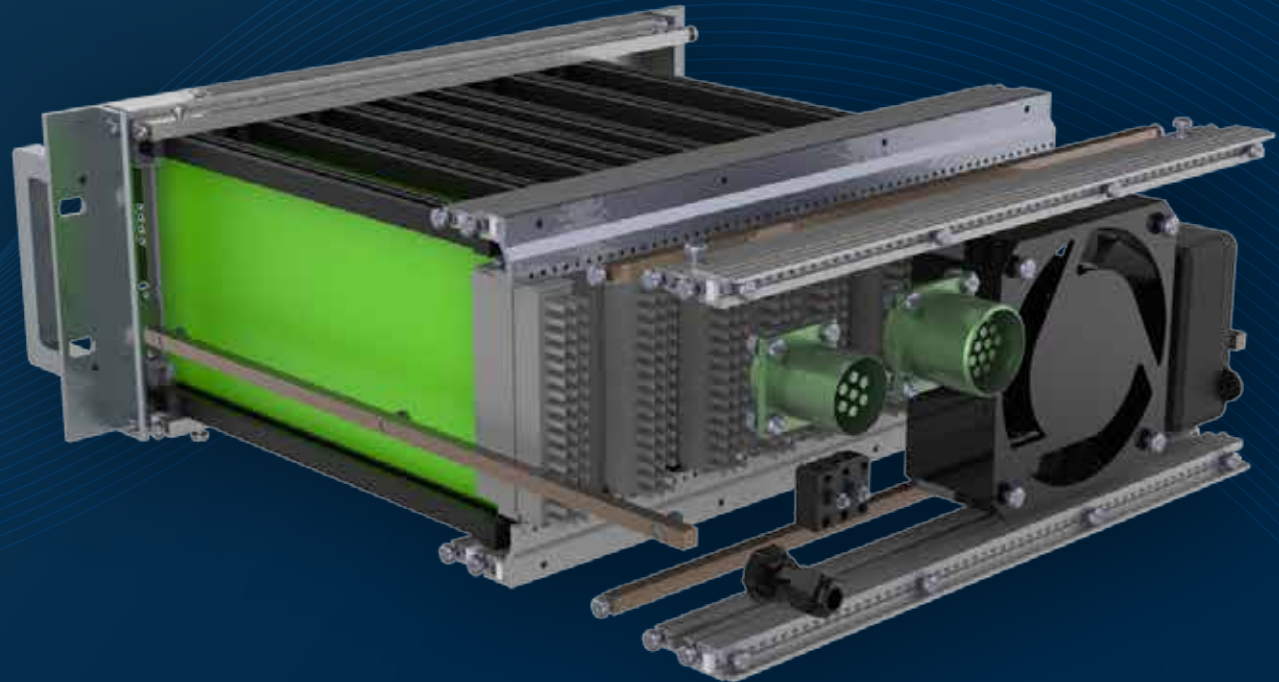


FOOD PROCESSER MACHINE



DELTA EMBEDDED SYSTEM

This project is of Delta embedded systems. Project includes CAD modeling , drafting and making BOM of various structures, racks and PCB.



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