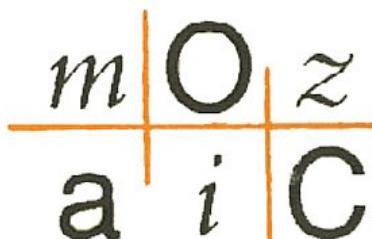


Industrial training

At



design combine

Ashish

Product design 2001

Project: Design of truck cabs in FRP



The chassis



Project: Design of truck cabs in FRP

The competition

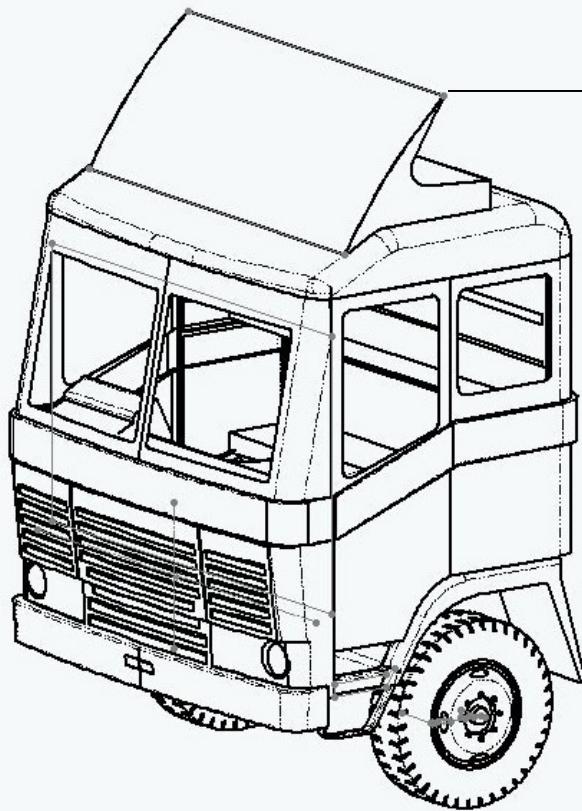


Small !
Durable ??
Unexciting !
Storage ?
Safe ?

Project: Design of truck cabs in FRP



Project: Design of truck cabs in FRP

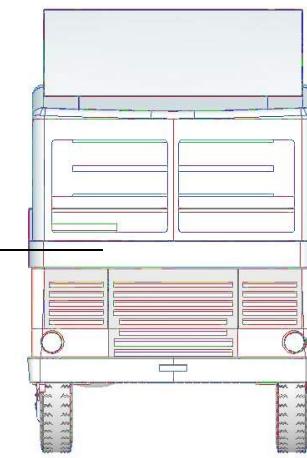
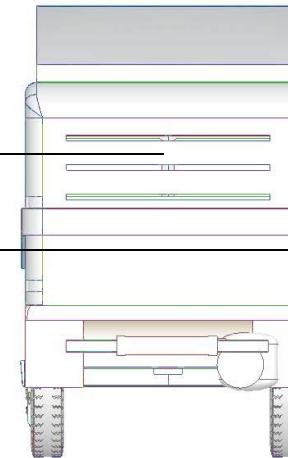
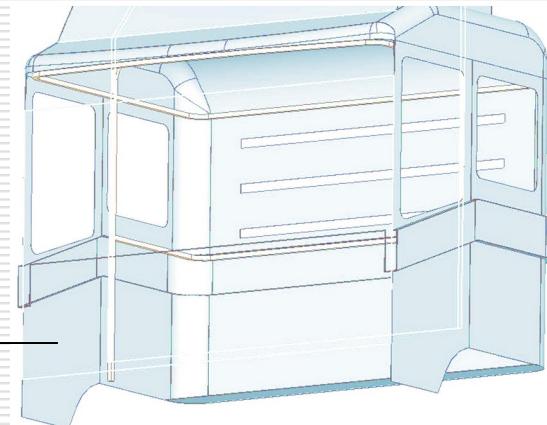


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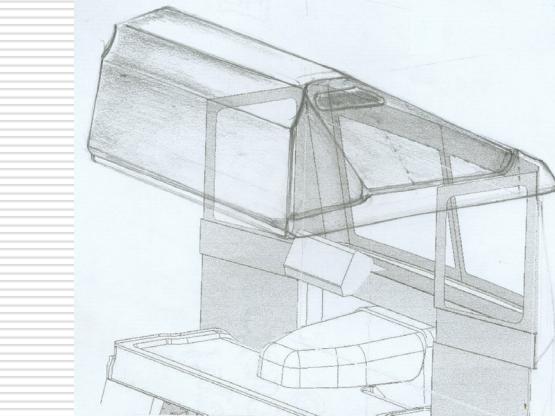
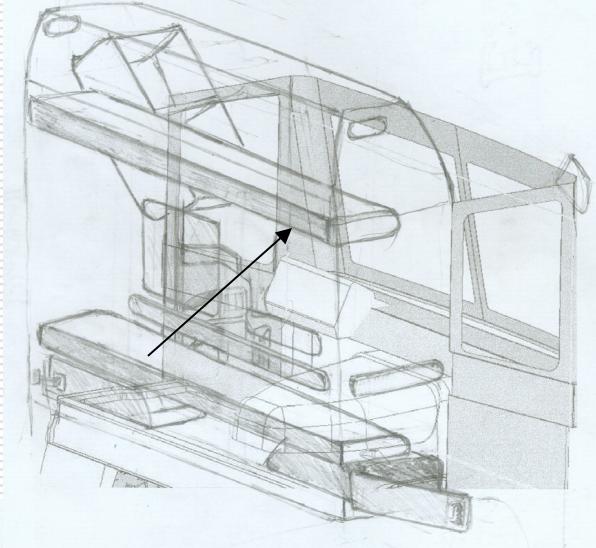
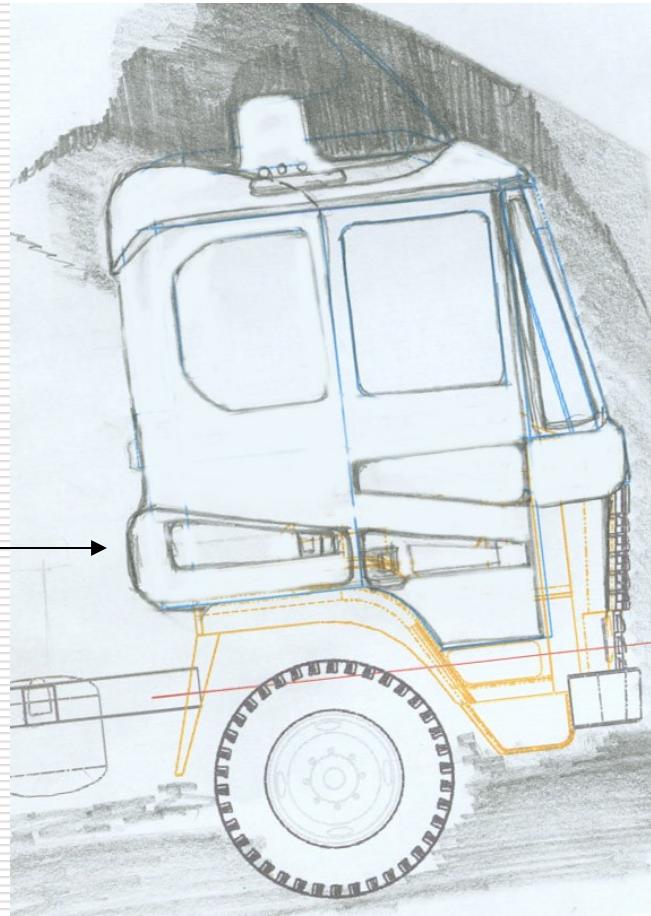
4



Project: Design of truck cabs in FRP



Project: Design of truck cabs in FRP



Interiors ..

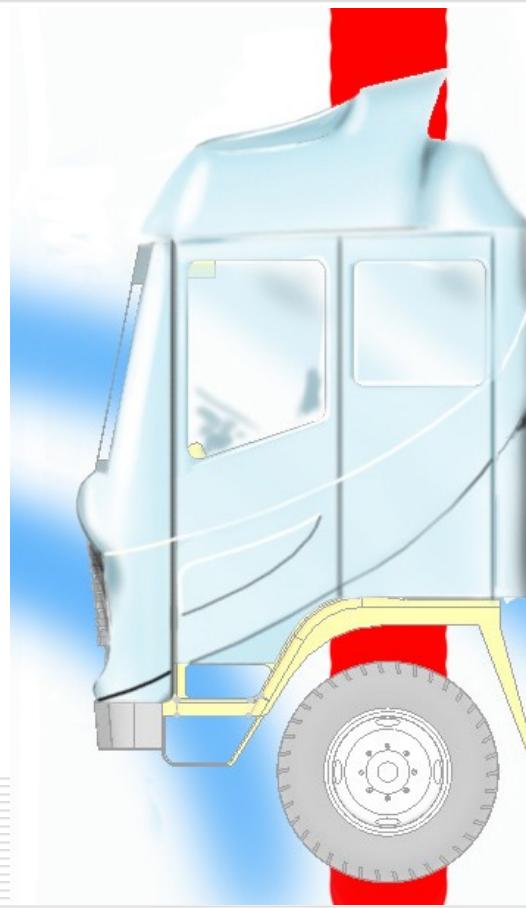
Roof

Project: Design of truck cabs in FRP

**#Air scoops for ventilating the cabin,
#Aerodynamic roofs which double as extra storage space and
#head room for the bunk bed.
#Bunk beds for the occupants.
#Extra large rear view mirrors.
#Thinner A columns so as to increase visibility
#Dents at strategic places to increase structural strength.**

**#limited 3d parting lines
#They will be double walled structures with PU foam filled in. The thickness of the walls will be 15 mm.
A skeleton structure made of 20mm MS square sections will be inserted in the panels.
#flat rectangular safety glass windshield**

Project: Design of truck cabs in FRP



Project: Design of truck cabs in FRP



Project: design of fascia for IFB cloth dryer

Clients : IFBglobal



Existing product line developed by MOZAIC

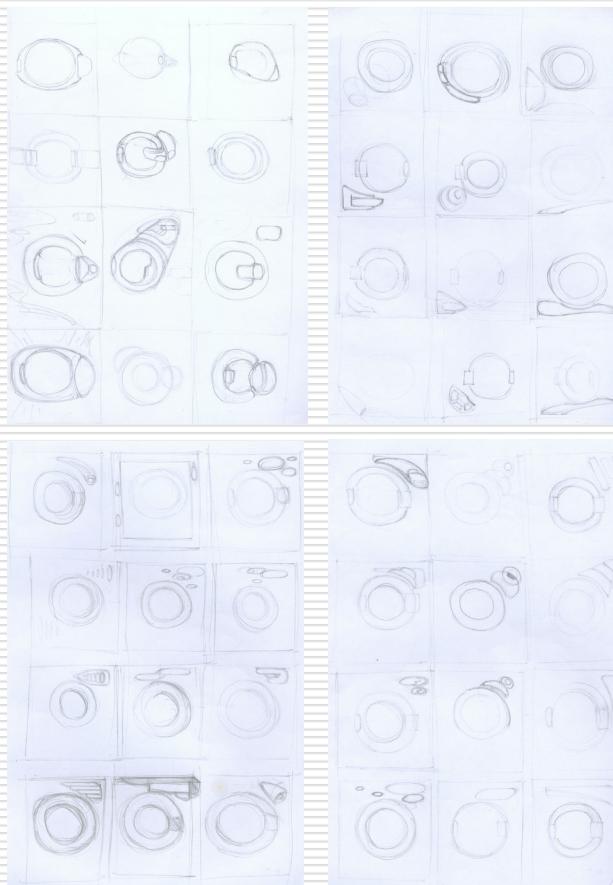
#Redesign the fascia

#Upper left quadrant is the Place available to place the new panel

#Drier might be kept right on top of the machine upside down

>semblance among the two machines.
>graphics should work both ways

Project: design of fascia for IFB cloth dryer

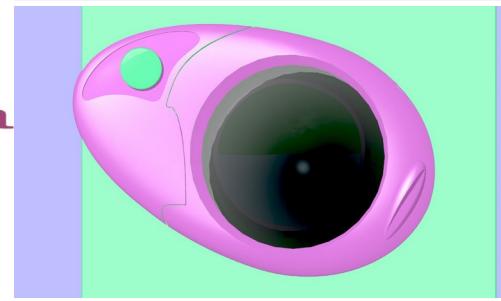
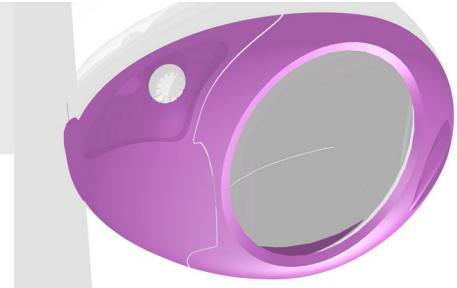
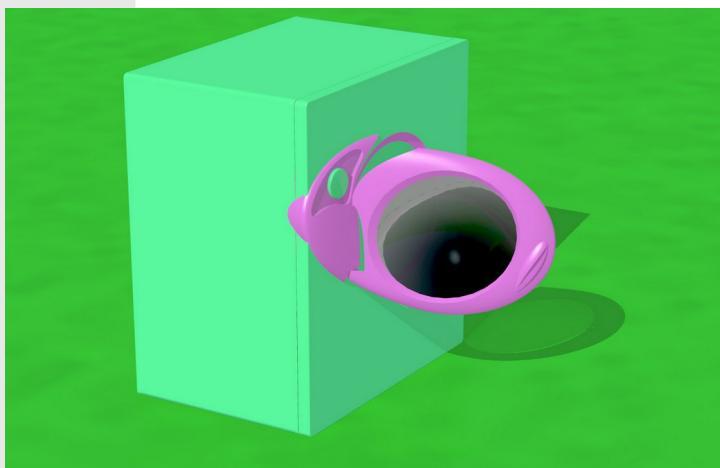


- little or no scope for any other draw on sheet metal body due to very tight spaces and optimization for a single shot process.
- Scope for different locations for screw holes and cutouts
- The cover for hinges can be scaled to house the control panel in itself.
- The electronic timer can be completely incorporated inside the panel itself

Project: design of fascia for IFB cloth dryer



IFB Hydra



Project: design of fascia for IFB cloth dryer



FRONT VIEW

IFB

Comet



PERSPECTIVE VIEW

An abstraction ...

A comet on top ...

The imagery of a comet has a persistent bend which goes well with the lid

Project: design of fascia for IFB cloth dryer



FRONT VIEW

IFB Blaster



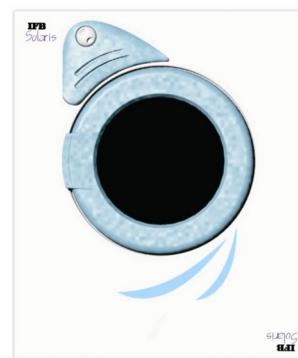
PERSPECTIVE VIEW

Something I realized
I'm good at
Messing up names !!

Project: design of fascia for IFB cloth dryer



IFB Solaris



The solution ...
Put another logo upside down ... seems to be
working ...

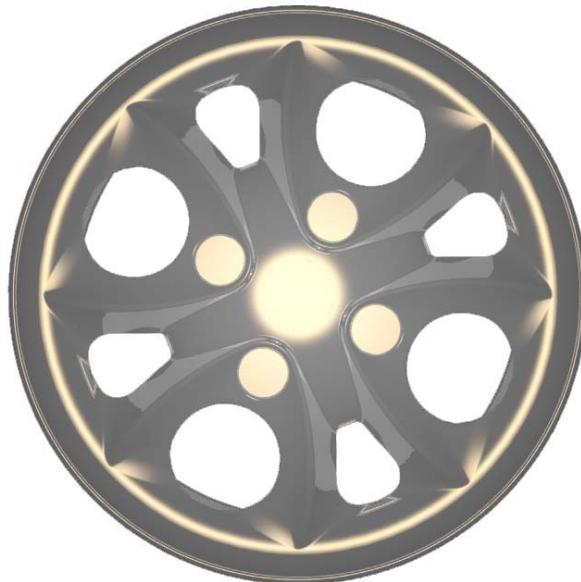


IFB SOLAR



Project: Design of wheel hub caps for accessory markets.

Clients : Paresh Industries, MUMBAI



Project: Design of wheel hub caps for accessory markets.

User analysis

Conflicting utilities.....

#protect the wheel hub and the disc brakes from the dirt flying in and in the process give an aesthetic appeal to wheels

#fake alloy wheels

Design guidelines

#Hubcap as an independent aesthetic element on car.

#There should be adequate vents for allowing in air for cooling the discs

#no insert molding

#dynamically balanced

Product analysis

Different fitting details

#snaps on the outer rim

#single nut at the centre

Material :PVC, ABS

Project: Design of wheel hub caps for accessory markets.

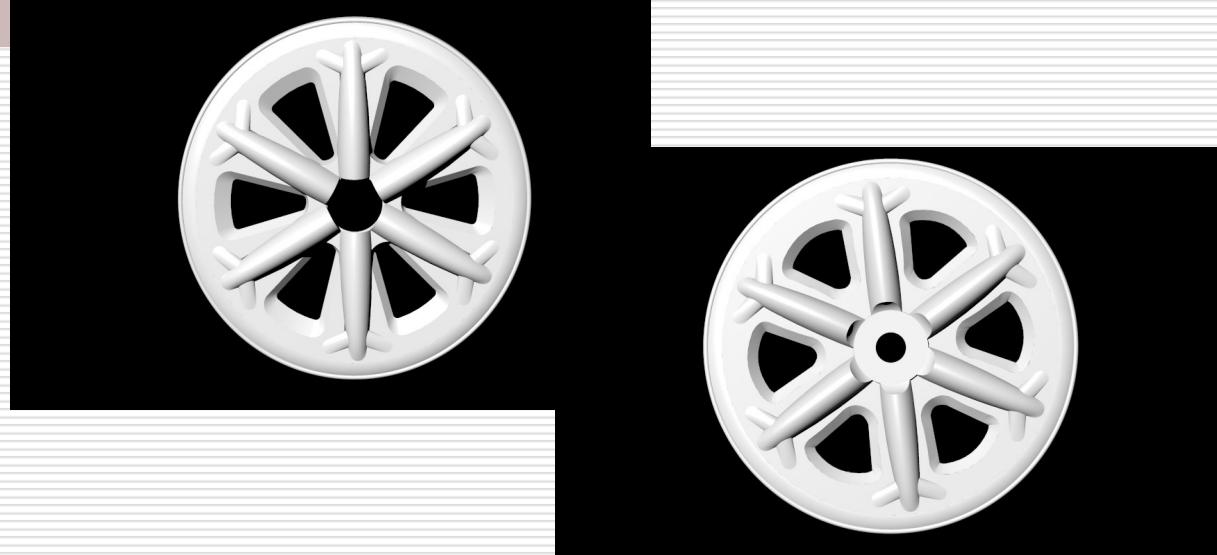


The metaphor

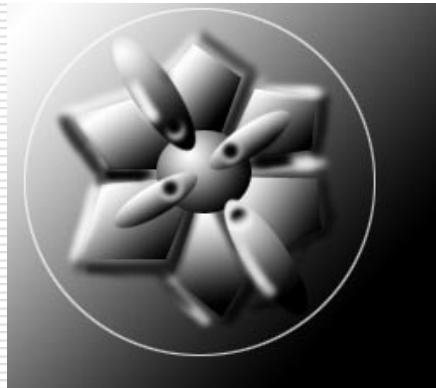


#Dynamic
#balanced
#resembles wheel
#permutable

Project: Design of wheel hub caps for accessory markets.



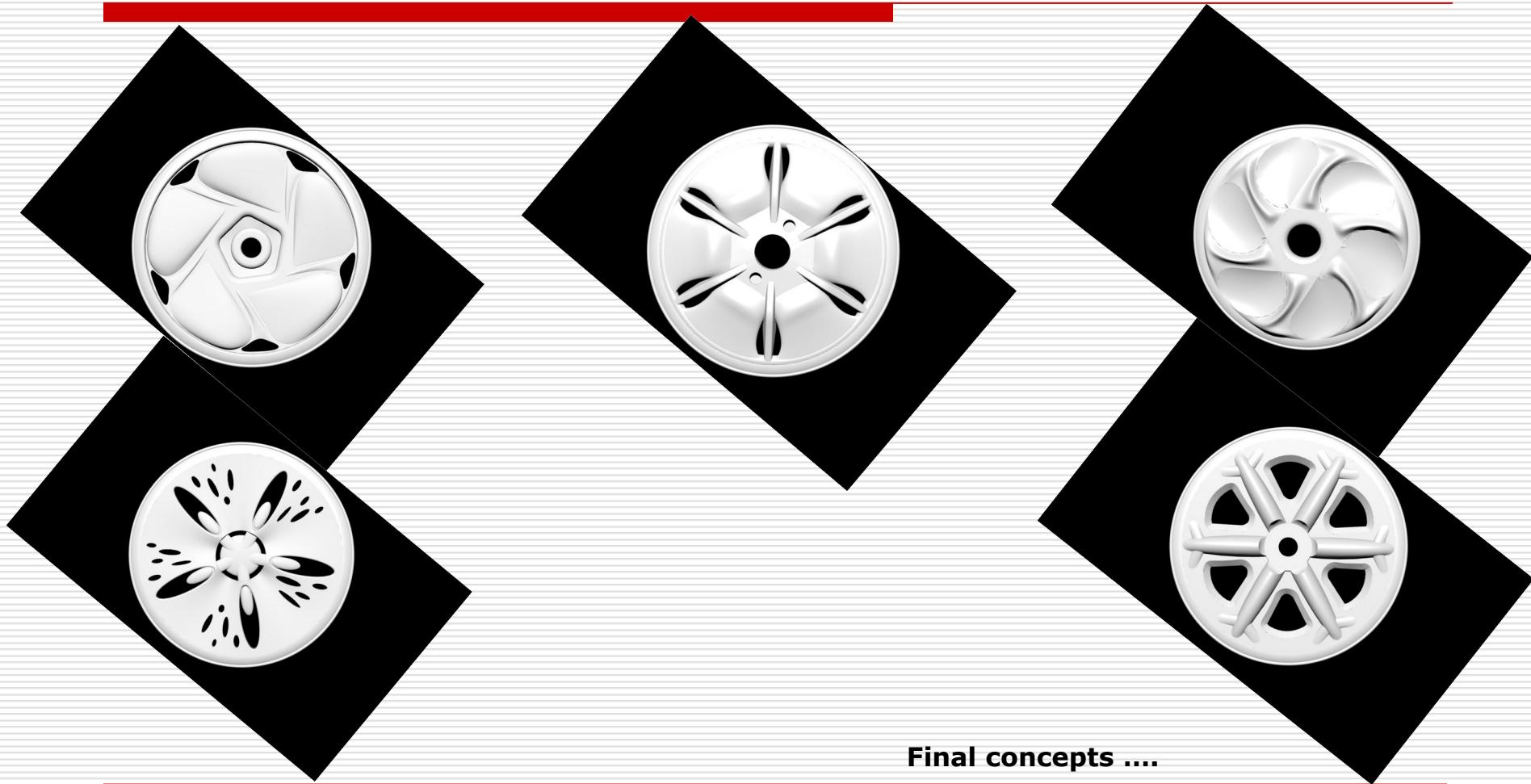
Project: Design of wheel hub caps for accessory markets.



Project: Design of wheel hub caps for accessory markets.



Project: Design of wheel hub caps for accessory markets.



Final concepts

Project: Proposals for end caps of DMUs in FRP

Clients : **kinoco Industries, GOA**



Existing DMU

Capabilities of clients ..

#Mostly Hand lay process

#Limited expertise in 3d parting lines .

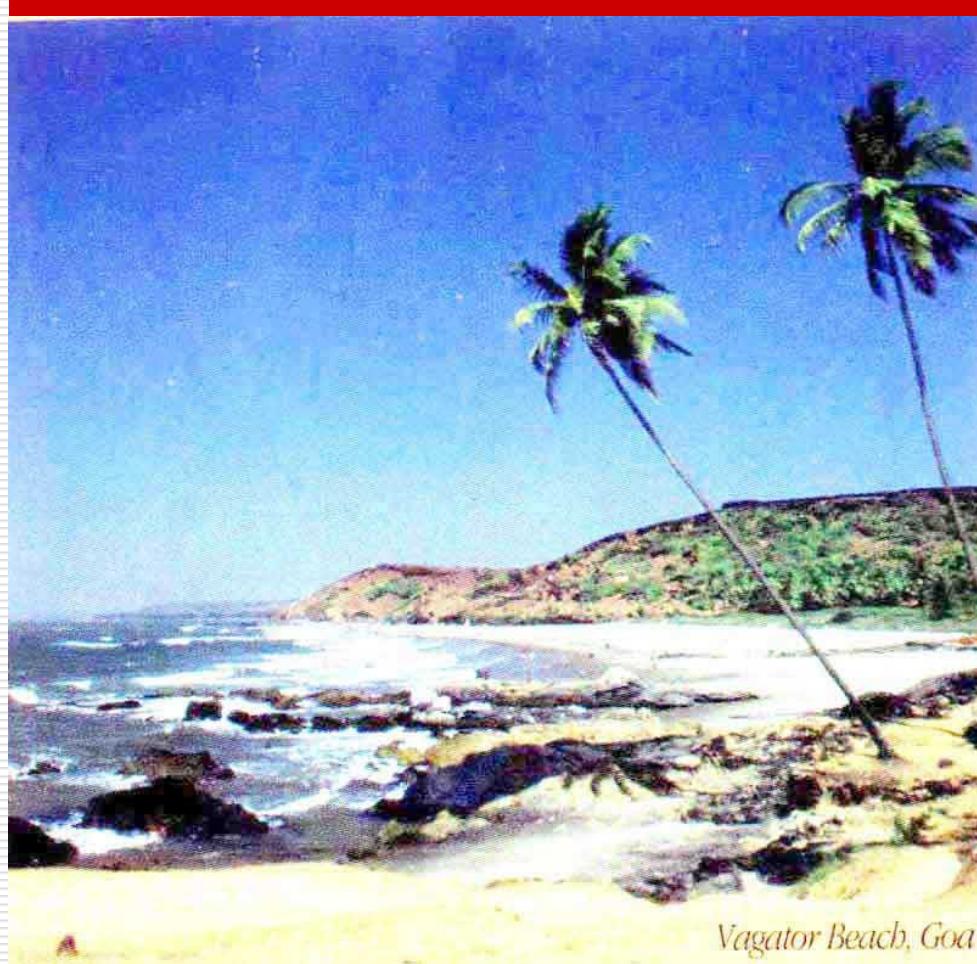
#Preferably off the shelf accessories

COMPOSITE END CAP FOR DMU'S



COMPOSITE END CAP FOR DMU'S





Vagator Beach, Goa

Thanks ...