

PORTFOLIO

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Pravin S. Padale

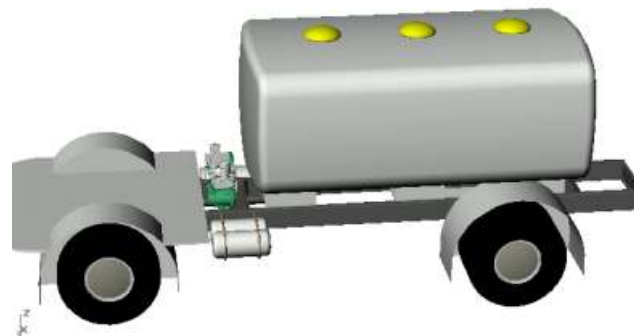
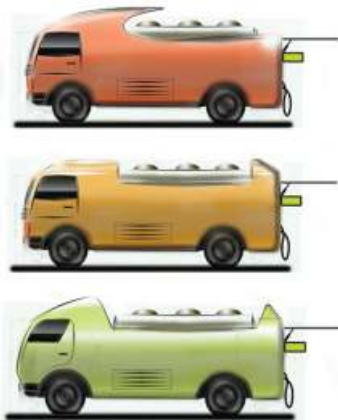
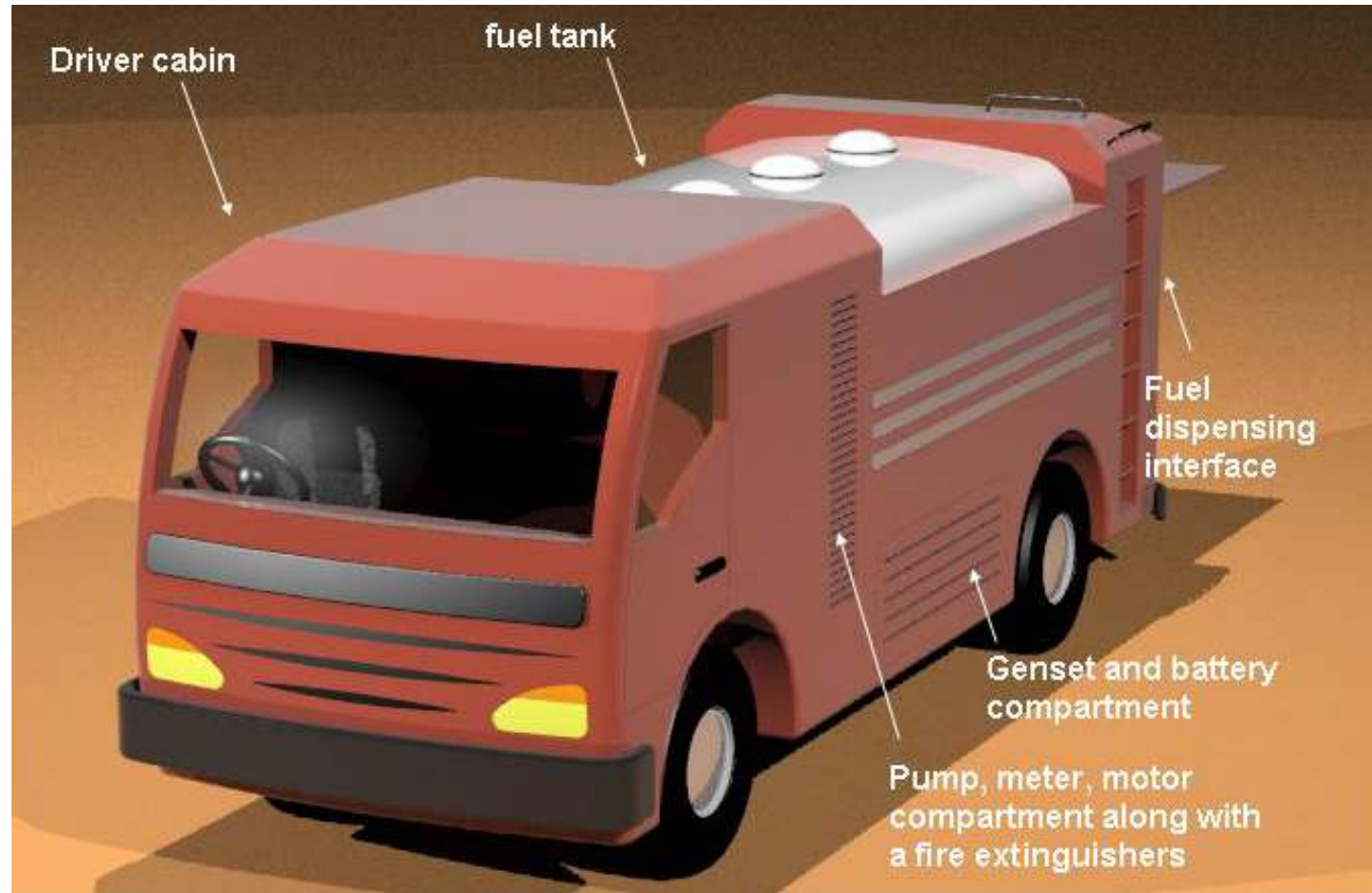
M.Des. (Industrial Design)

IDC, IIT Bombay(2003)

DESIGN OF MOBILE PETROL PUMP

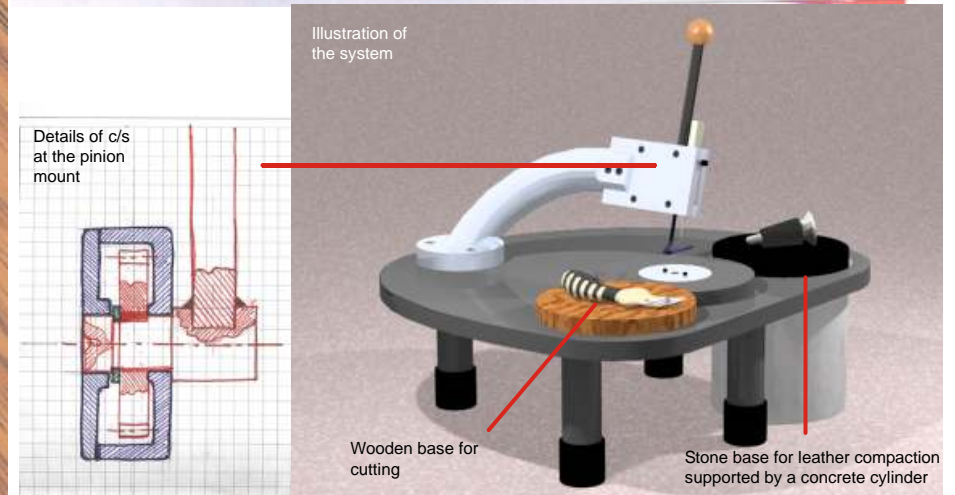
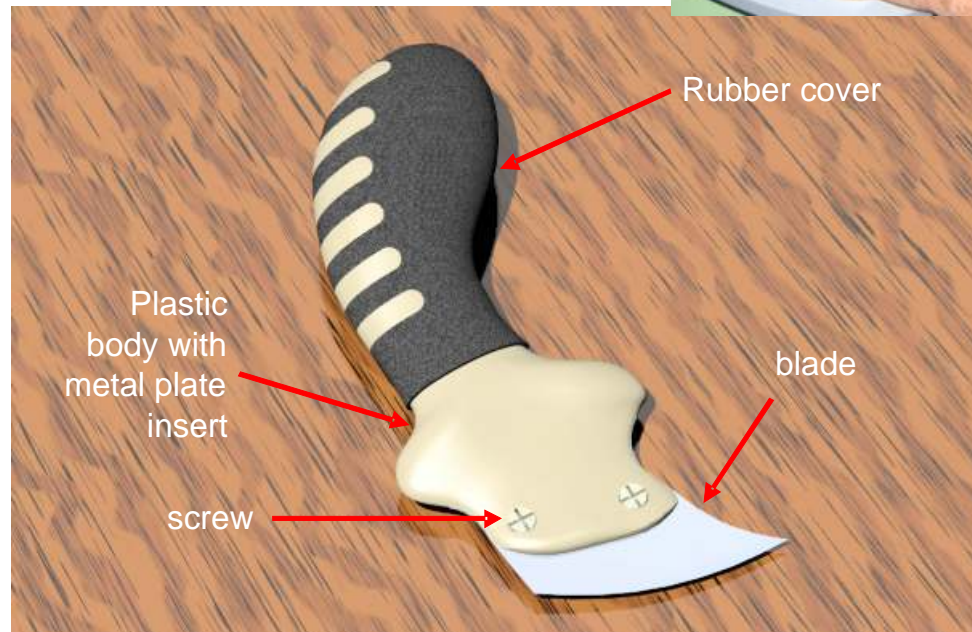
This project was sponsored by a Bombay base company MIDCO . This company presently manufactures pumps required for petrol pumps. This project started by exploring the various possible applications of mobile fuel dispensing. Then after brief survey, the design brief was specified and worked till the end of the project.

The main challenge in this project was to come up with safest possible product configurations. Safety was of prime importance. Also the user interface and other operations issues were important considerations for design. Along with this the product form was equally challenging issue.



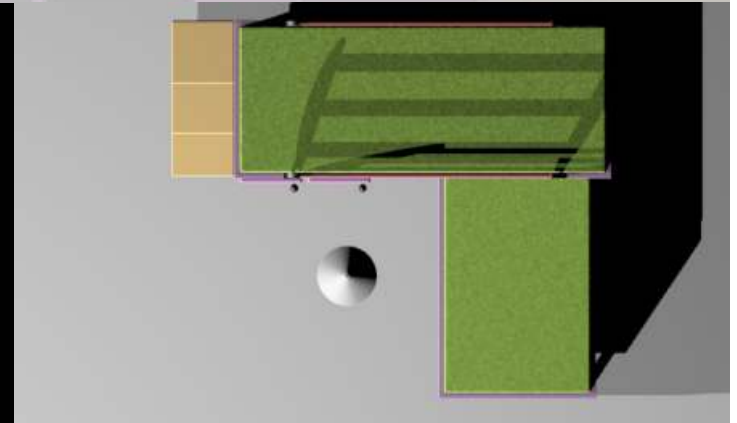
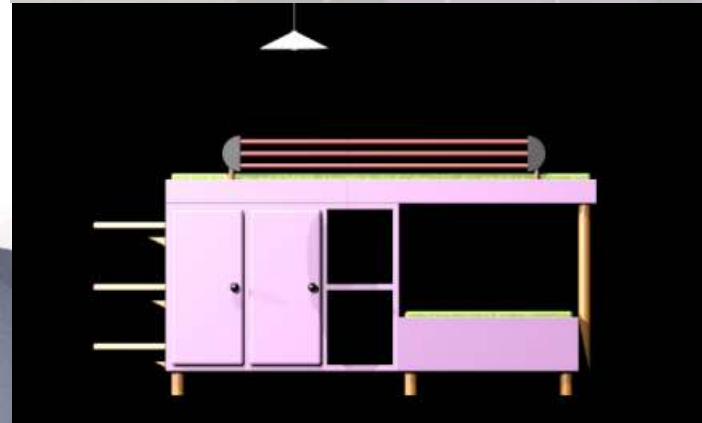
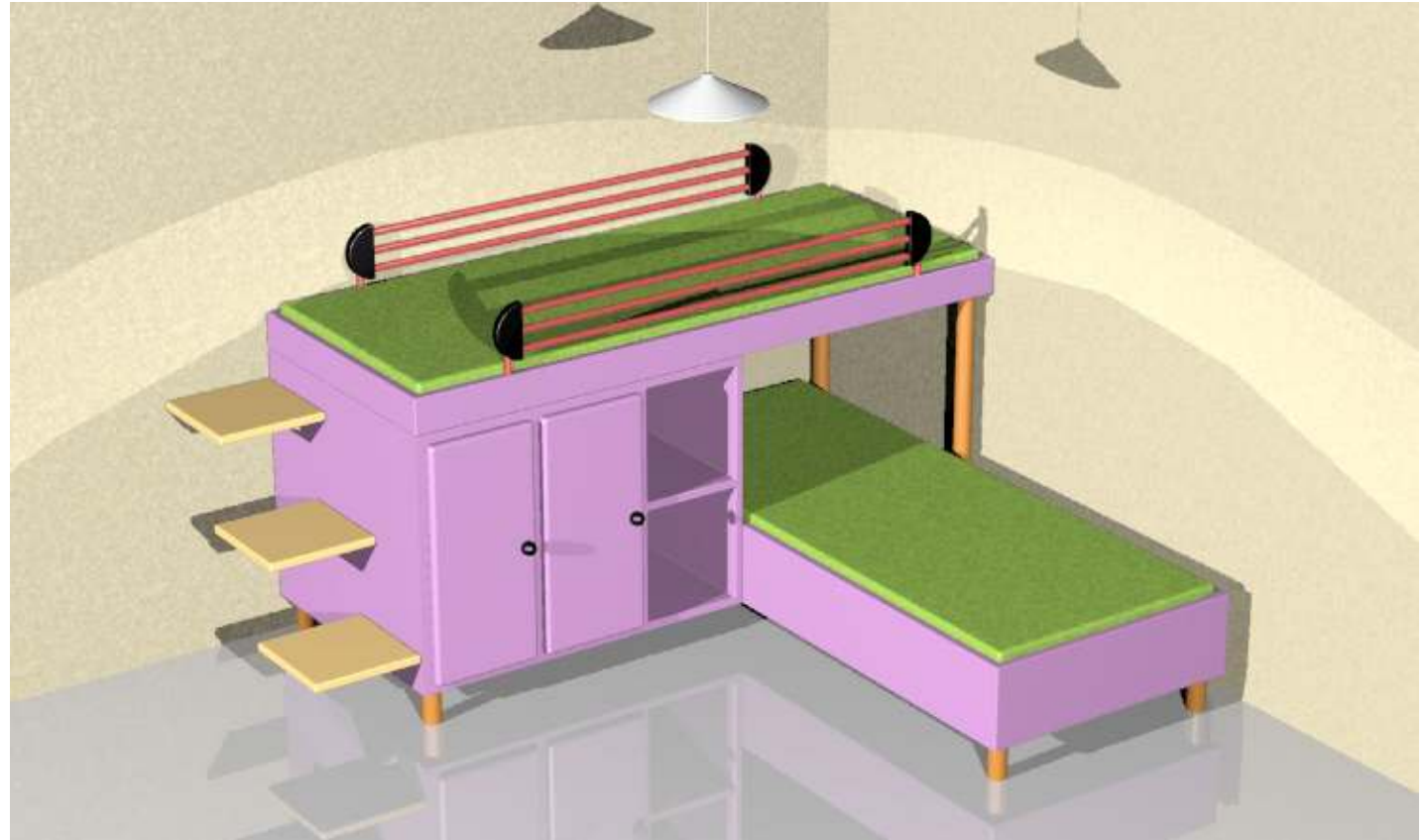
DESIGN OF COBBLER TOOLS

The context for design was the local leather craftsman who produces pure leather footwear. This footwear's are popular due to the customization that cobblers provide and their unique styles. For many years, the tools that these cobblers use are not changed or no significant development has happened with their work. When I observed their work then I realized that it is very exhausting and skillful job. The postures they take make them to leave their business after 10-12 years. The amount of force required on the tools is also very high. When I worked on the problem then I decided to work on sewing and cutting problems involved as these activities take 70- 80 % of the total time.



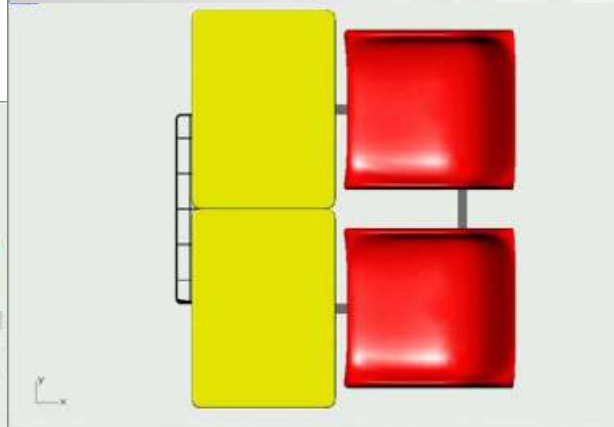
DESIGN OF HOSTEL ROOM FURNITURE

This project I did in my summer training. The brief from the customer had been clearly mentioned. They wanted a furniture system which can be shifted at any time, occupy minimum space . After working on different possible concepts, I reached to this solution. It's also inspired by the bunker beds concept. But in bunker beds there is a not good feeling while sleeping exactly below another bed. Here that problem is avoided; also the space which we get below the top bed can be utilized for making it as a storage space. This entire unit fits into the six feet by six feet area. Whereas all other tried concept were taking minimum of eight by eight feet area. This is designed for living of two persons.



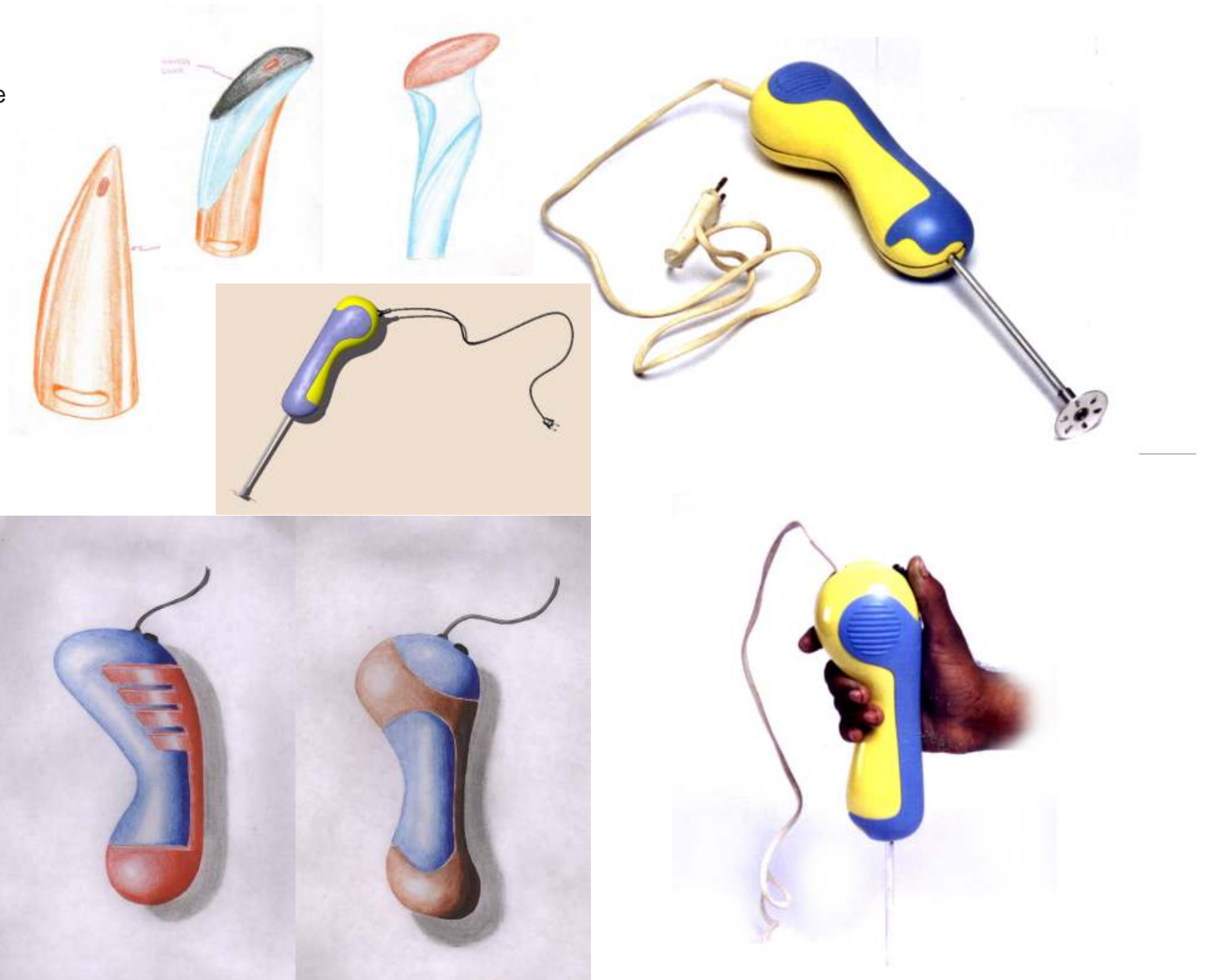
DESIGN OF HOSTEL CLASSROOM BENCH

This project also I did in my summer training. Lot of problems were identified such as getting in out is trouble when bench is for 3 or 4 peoples. Many times the spaces are not adequate. Also while coming out always it's not easy because the protrusion of the bench top. The design is very simple and takes an advantage of standardization in very well manner. Lot of postural problems is also solved by adopting injection molded seats as these are designed with ergonomic standards. Even though the benches are combined and made for four peoples, they can easily get in and get out as there is sufficient space is provided between two seats.



DESIGN OF HAND BLENDER

The brief of the project was to come up with an interesting form for the blender. Extensive market survey as well as user survey was conducted. there are lot of blenders available in the market but they take less liberty for form of the product due to the typical assembly of the product. this is exactly solved by splitting the handle body vertically and it is assembled by screws which again hides below the rubber grip.



MISCELLANEOUS

