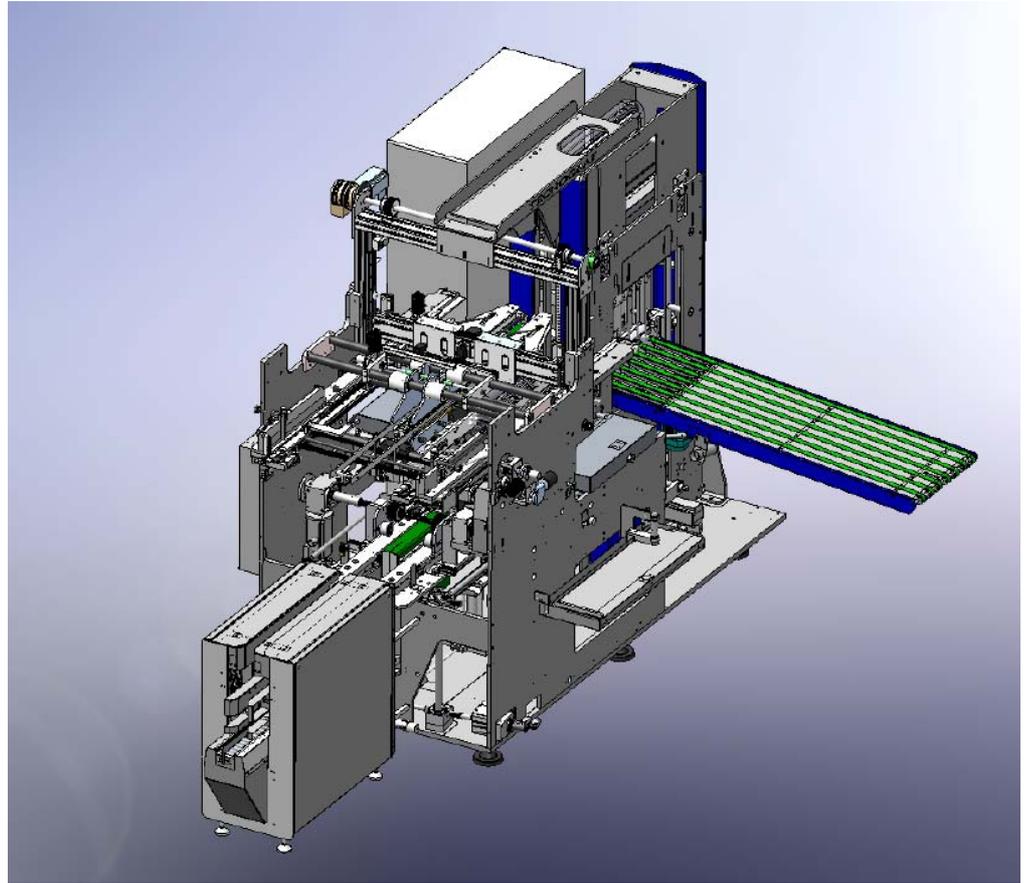
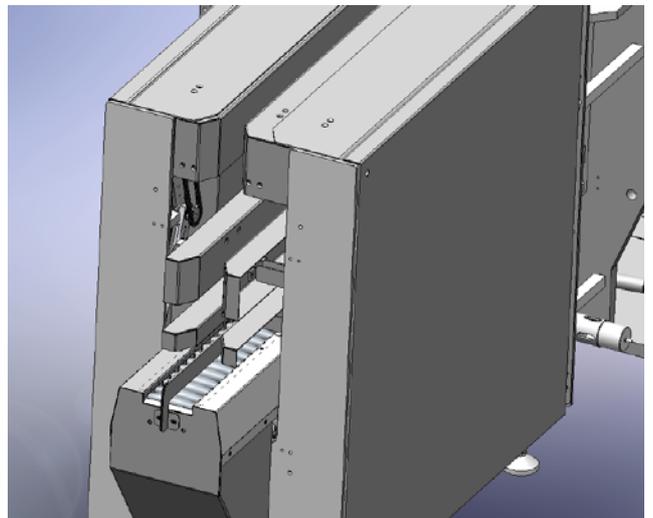


Casing In Tower Plus



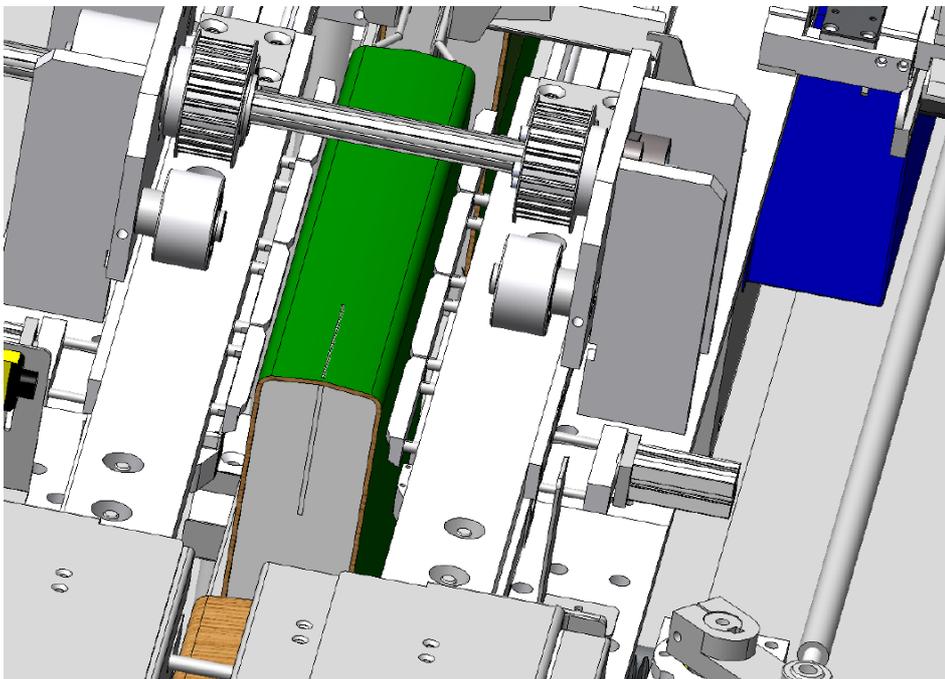
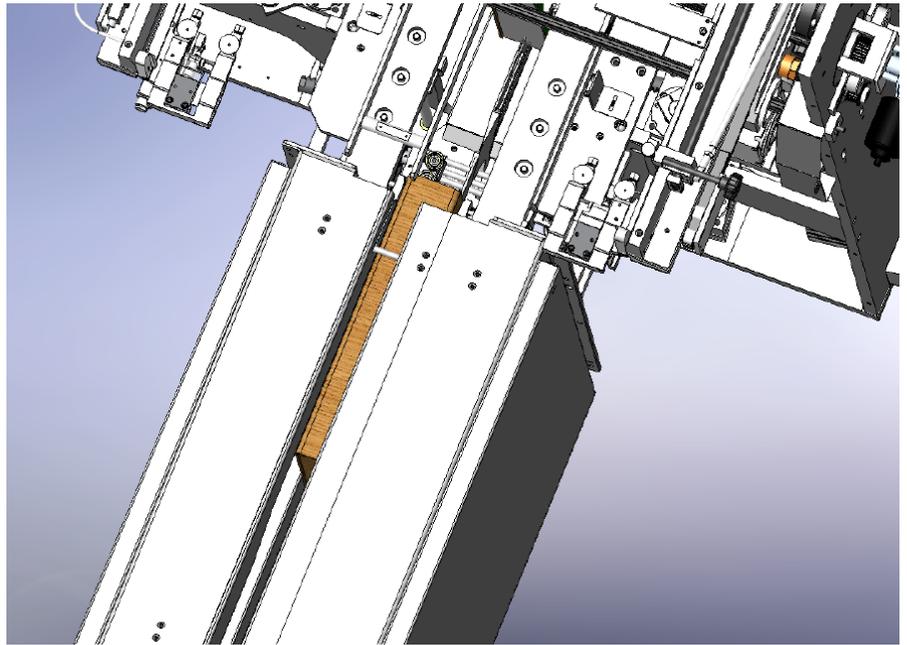
Base Construction

This is the design of TOWER Plus; as you see it is built like traditional heavy machine with cover feeder stock, book block feeder, casing in castle all in metal and fusion. The casing in feeder that you see in front of machine could be only conveyor or you could introduce one blade in the middle and feed book already open from operator. It is usual when book are so thin that open automatically could become a risk.



Automatic Opening System

The TOWER Plus is equiped with an automatic opening system with a small blade perfectly design for split the book in the middle without damage the book pages; it use two roller that at the moment of the book opening press the book block and help to move the book opening it in the same time on clamp station where it is keep and moved on hot melt guns application for side glue. The registration of book slit is made from PLC, nothing in manual; consider that from the feeder station to the casing in station register there are every time 5 books inside the machine.

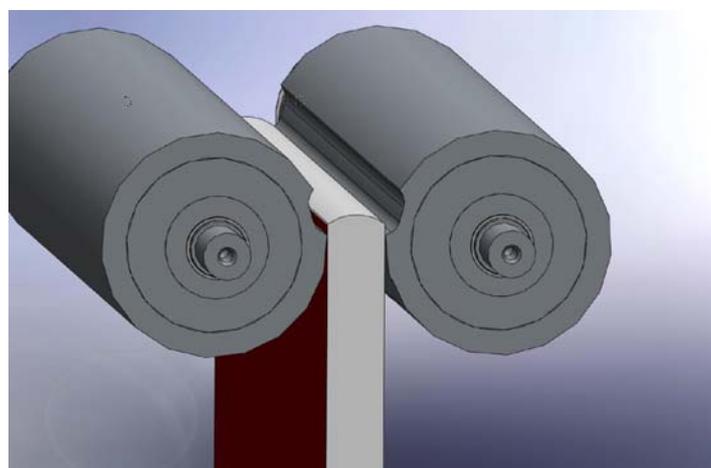
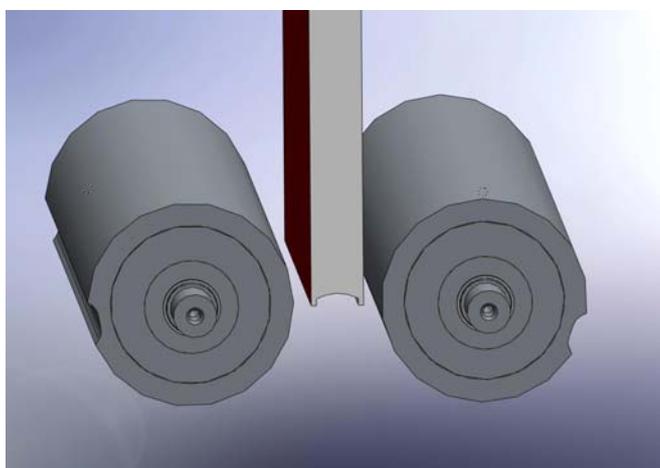
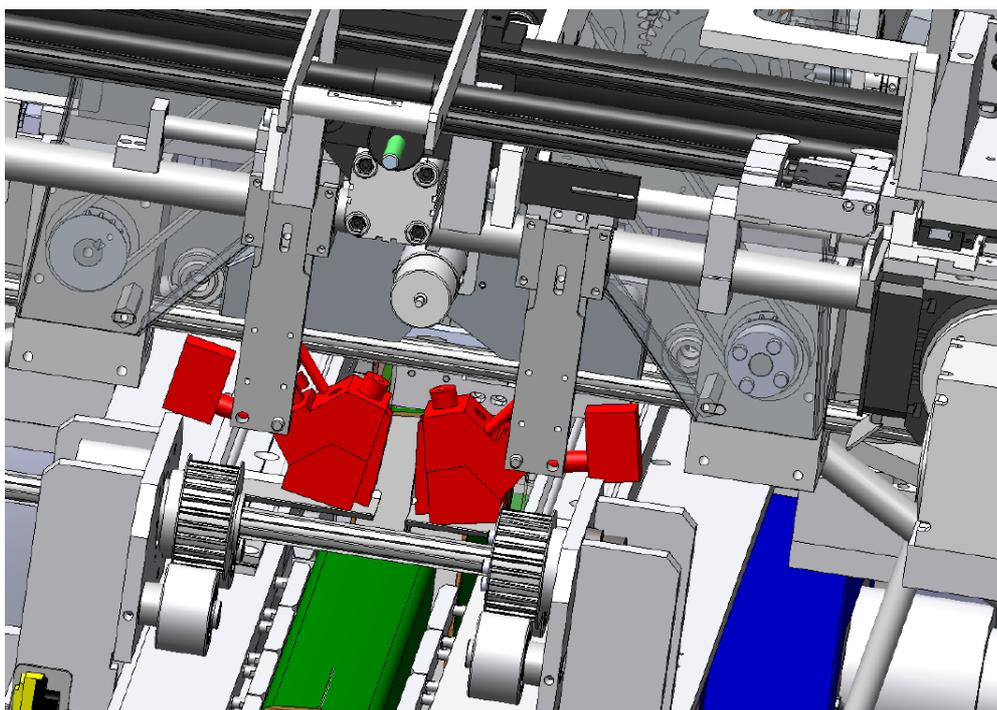


Clamp transport Book Block

As you know from your BL200 or other new MM or Kolbus casing in all these manufacturer use chain for the book block transport. Tecnograf has decide to invest more and use same clamp that are used on rounding and backing machine and head tail band, like in traditional big machines. This is more suitable when we make the land scape book production oversize like 350 mm; with clamp is much better control the position and you are sure that there are no movement on book block that later you could see on casing in between register of book block and cover. The position, movement, pressure of clamp are all automatic controlled by PLC Siemens.

Hot Melt Glue Gun

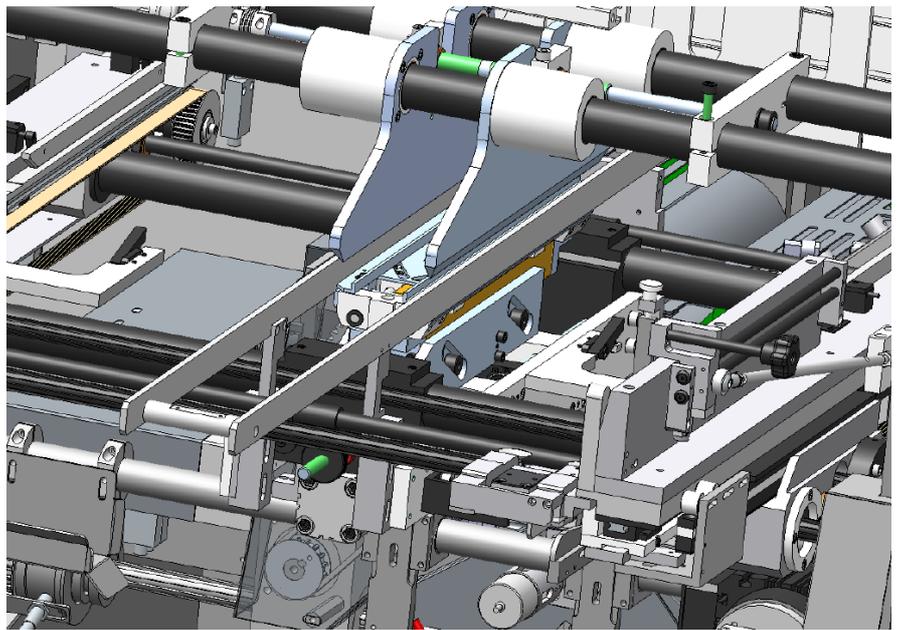
This is the latest system from ROBATECH, Swiss company high performance leader in the graphic art market for glue application. The tank is 20 kg and it is connected with 2 gun and all system is controlled automatically by plc. Time of application, temperature, position, start and stop glue line on book block. Is possible to switch off the system if it is not required. This is important for obtain the right quality on the joint forming area. The system work in faze with the glue roller system. In your BL if I'm not wrong, the faze is made manually. Here is all electronic, so you choose position of Hotelt from PLC, and later you can choose how fare stay from the hotmelt line for apply the could glue by gluing system.



Plc panel interface for fix the position of roller attached and stop. It is made for control the right position of glue application and reduce risk that glue came out of book.

Automatic Cover Stock feeder

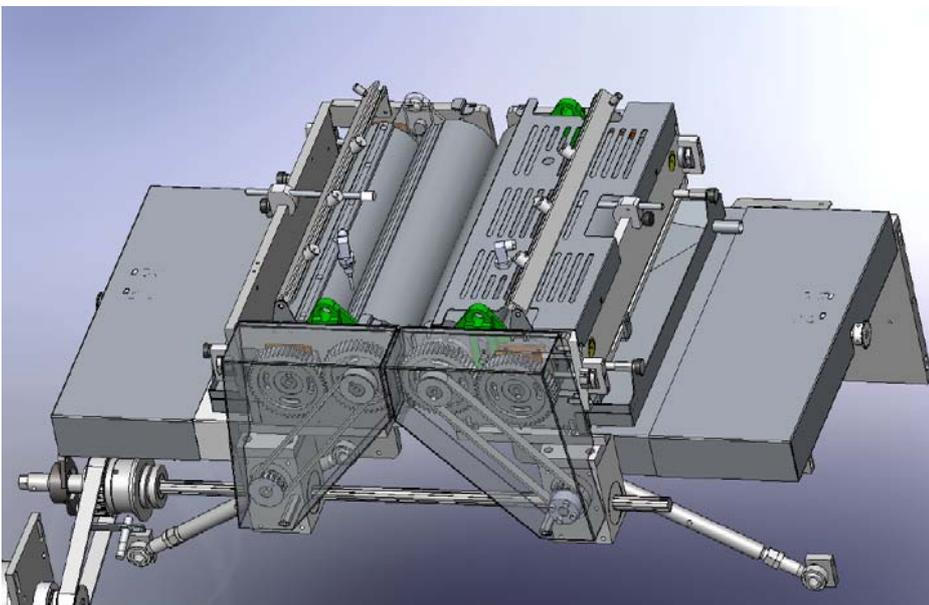
The TOWER Plus is equip with an automatic cover feeder stock that could use pusher and sucker as well. Tecnograf suggest the use of sucker that could be 4 or 8 pieces for not damage the cover. The machine could casing in at this point normal cover and integral case cover without remove pieces or make modification extra. The temperature of cover forming is set up from PLC; it work cover with spine square or cover with spine round. For that we offer a complete set of tools. For load and unload the tools are no necessary special action; it is rapid and simple.



Gluing Unit

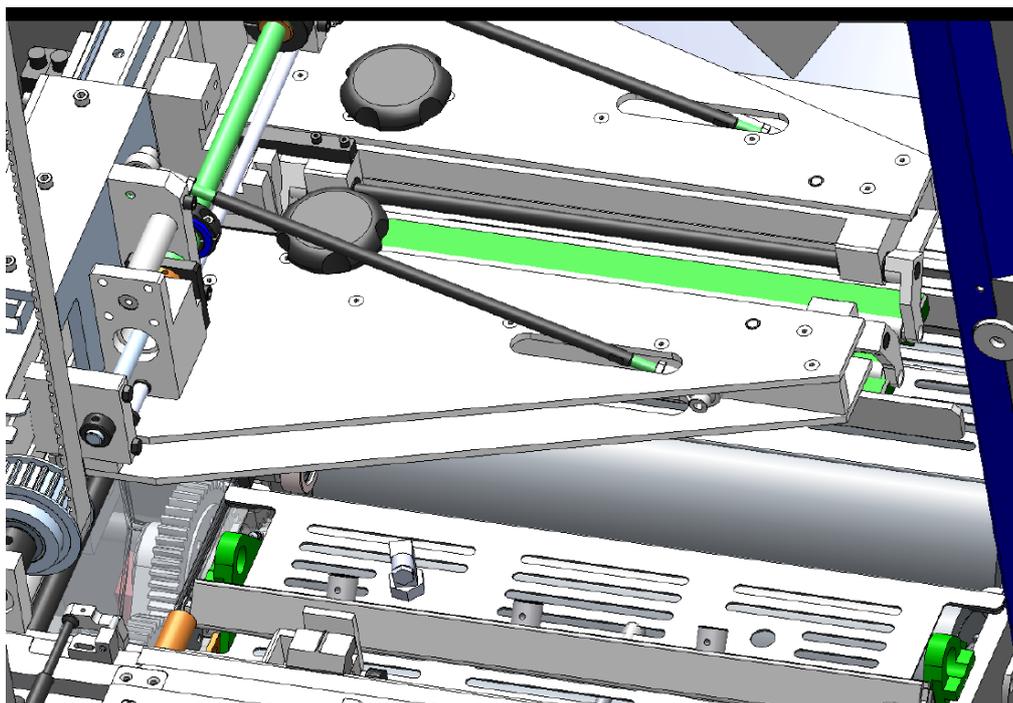
This is the traditional gluing unit design for book measure 420 x 350 mm. in the world there are only 3 company with technology available to build this kind of Roller : MM, Kolbus and Tecnograf. This system is the biggest built at today on the market.

The faze of roller is full automatic like the position of start and stop glue. All is made by pls. The glue tank wash is automatic and require 5 minutes.

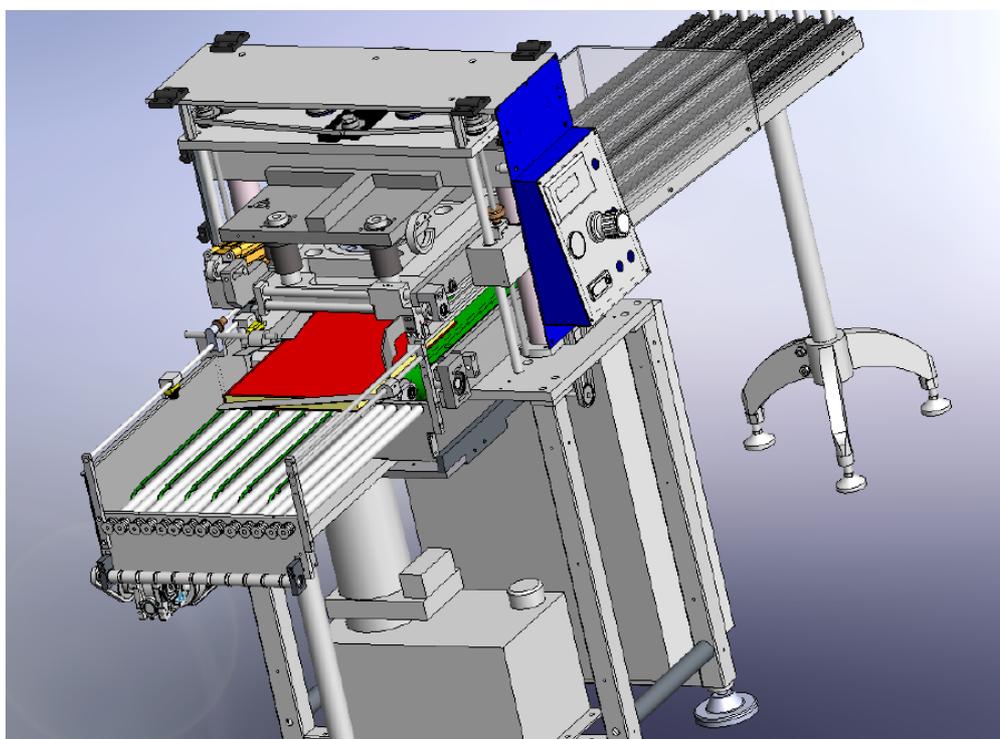


Mechanical Hand

As traditional machine TOWER Plus is equipped with what we call "manual hand", a system that help to control the right position of book spine of the cover and take out the possible bubble of air between cover and end sheet. Position, press capacity, and all other details is set by PLC.



Building in



Hydraulic building in machine for round and square back book; it is useful for book on size 100 x 100 to 450 x 350 mm thickness from 3 mm to 80 mm. As industrial building in machine the processes is put the book on the center every time independently from the different size; push the book with the right tools (as picture) press, remove tools and make joint forming. Time of closing, pressure, temperature of joint forming and all other registration are automatic and could be made from PLC of TOWER Plus or from PLC of press. The operator could choose that book stay close on press for all time that another book arrive from casing in. In that case the press open automatically, the book inside come out and the other book came inside.

