



UNIVERSITAT
POLITÈCNICA
DE VALÈNCIA



Escuela Técnica Superior de Ingeniería del Diseño

Trabajo Fin de Grado

DISEÑO EXTERIOR PARA UNA IMPRESORA 3D DE SOBREMESA

Autor

Mario García Ortiz

Director

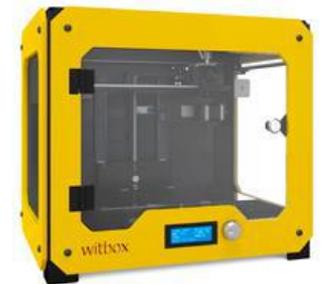
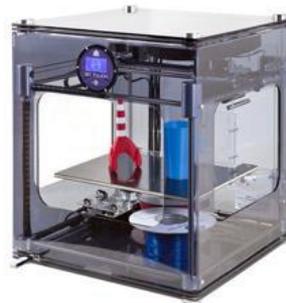
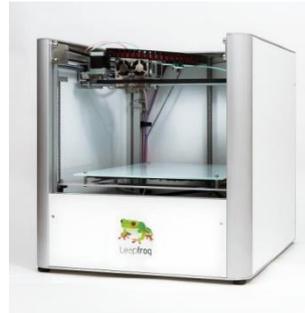
Jorge Alcaide Marzal



Diseño de la parte exterior de una impresora 3D doméstica, que mejore la ergonomía, comunicación e interacción con el usuario y posea una estética de aparato electrónico.



ANÁLISIS DE LA COMPETENCIA



3. Factores a considerar



Dos
extrusores



Estilo
informático



Panel
de control



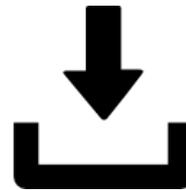
Apilable



Asas
laterales



Máxima
visibilidad



Depósito de
consumibles



Acceso a
la placa base

4. Soluciones alternativas

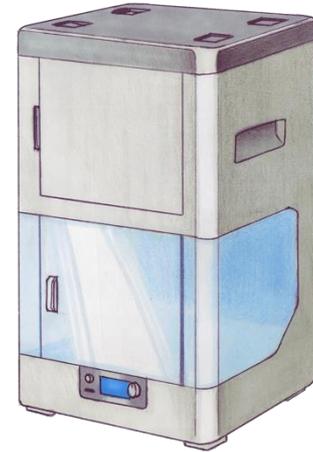
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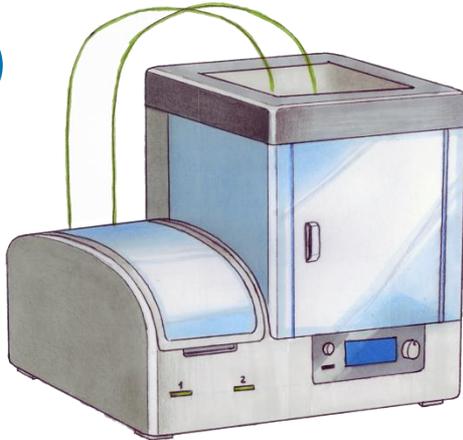
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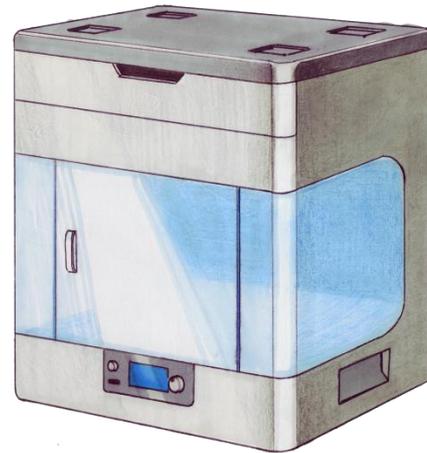
3



4



5

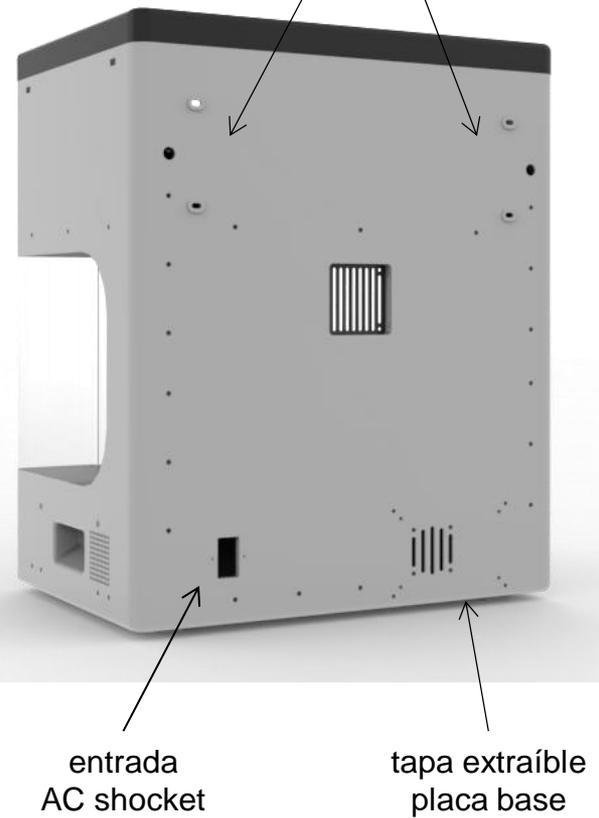
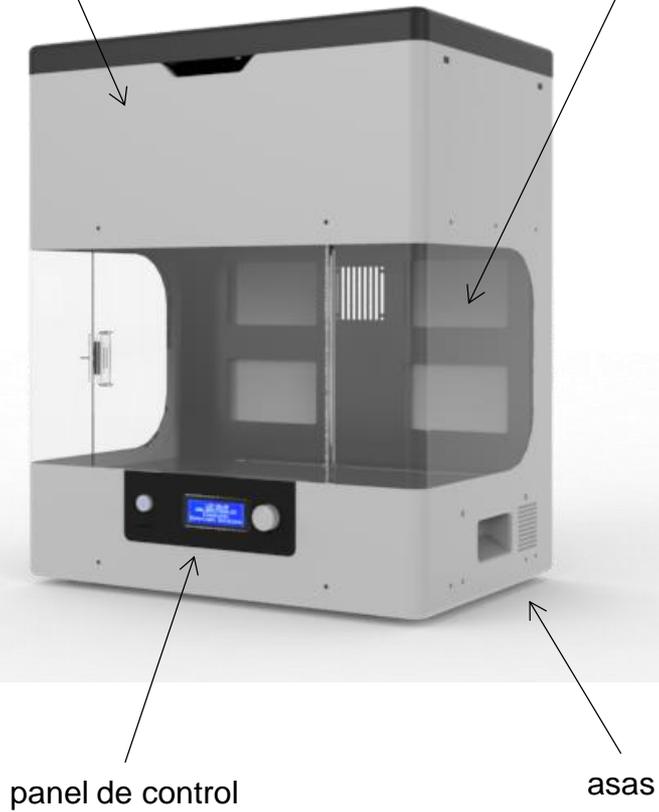


5. Propuesta elegida

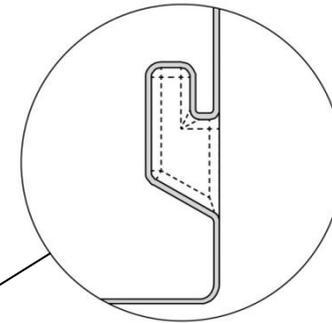
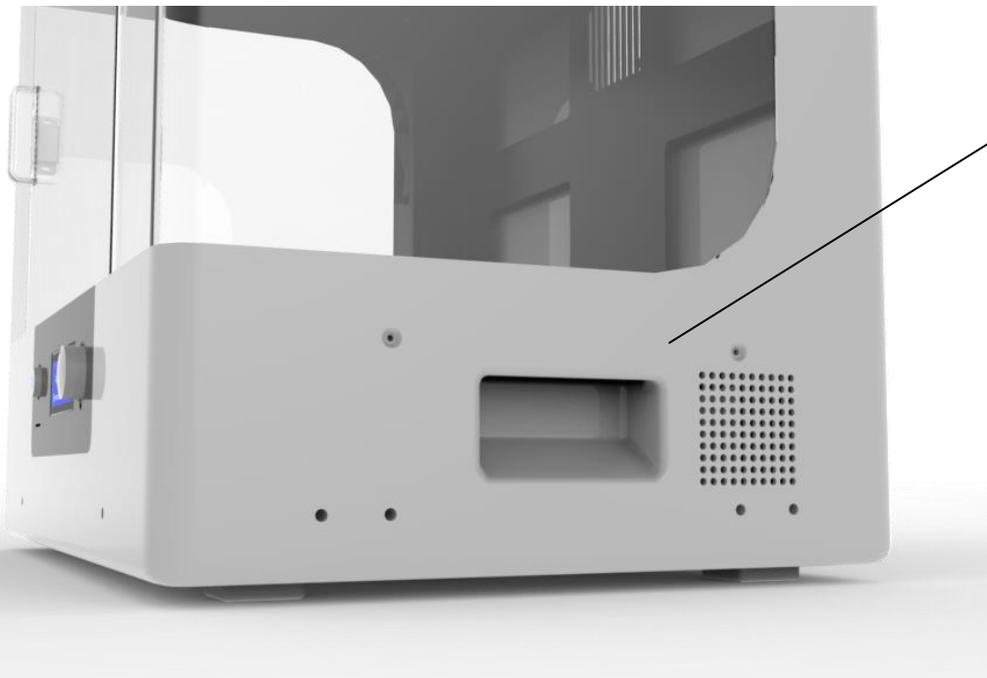
bandeja extraíble

cabina de máxima
visibilidad

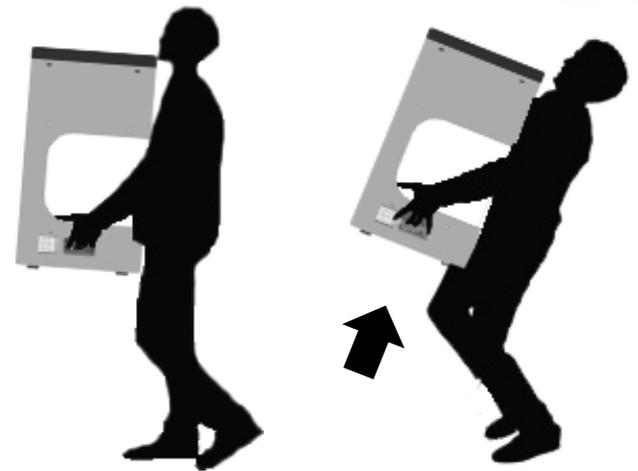
dos extrusores



► Asas internas

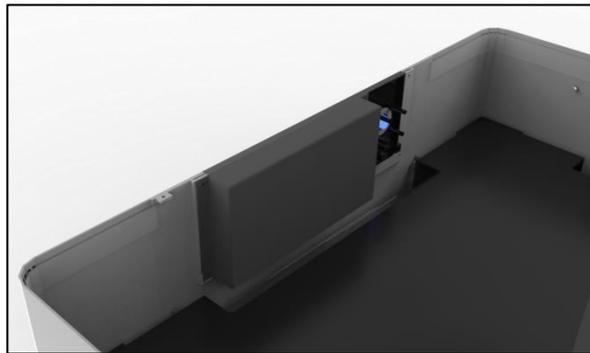
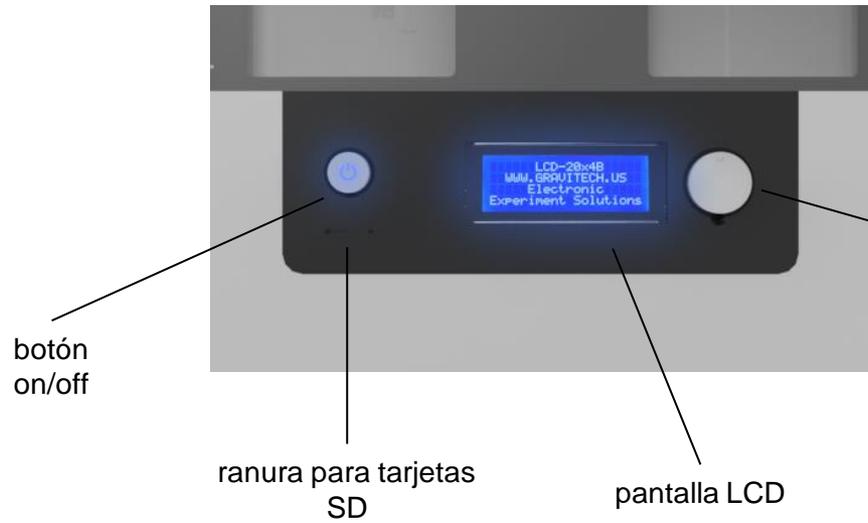


detalle sección

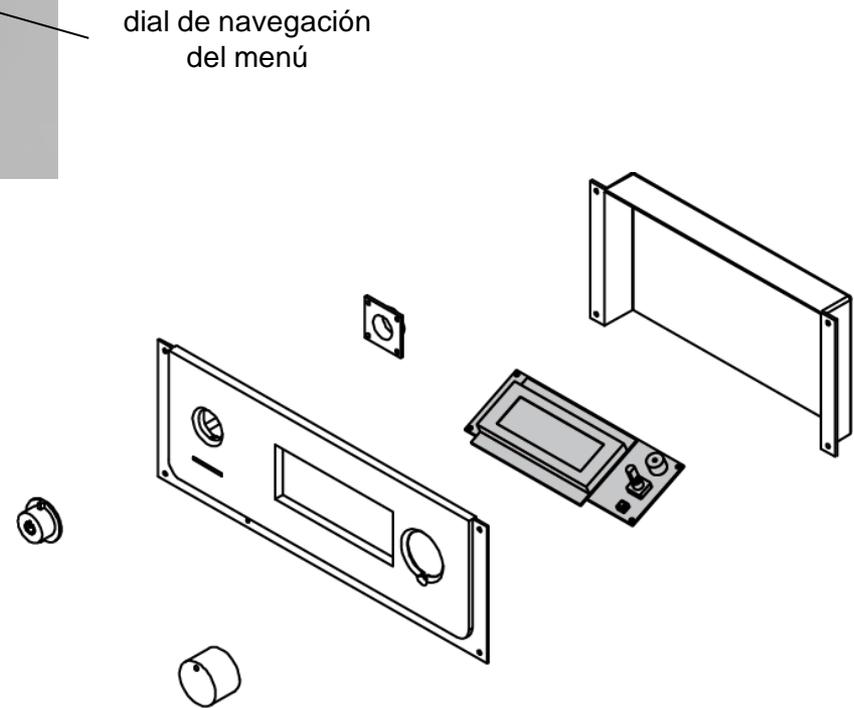


Transporte correcto de la unidad.

► Panel de control



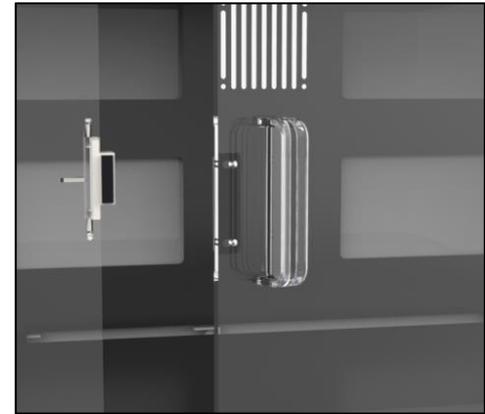
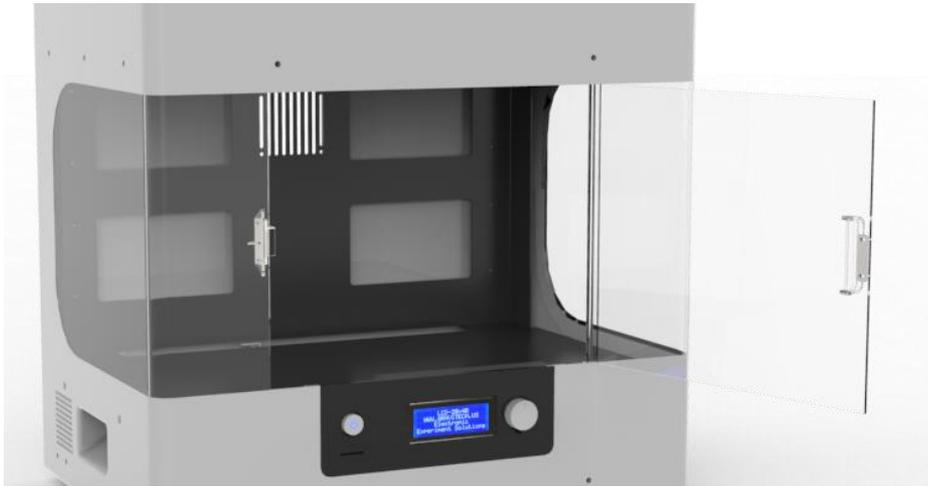
Vista interior.



Esquema panel de control.

6. Características

► Cabina



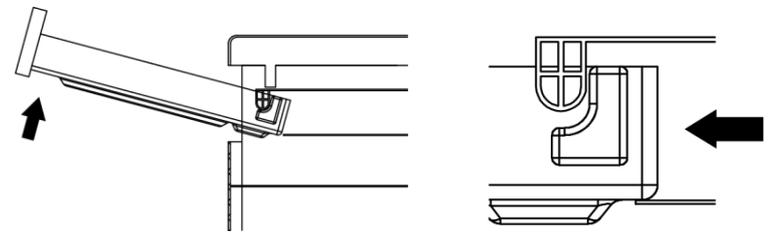
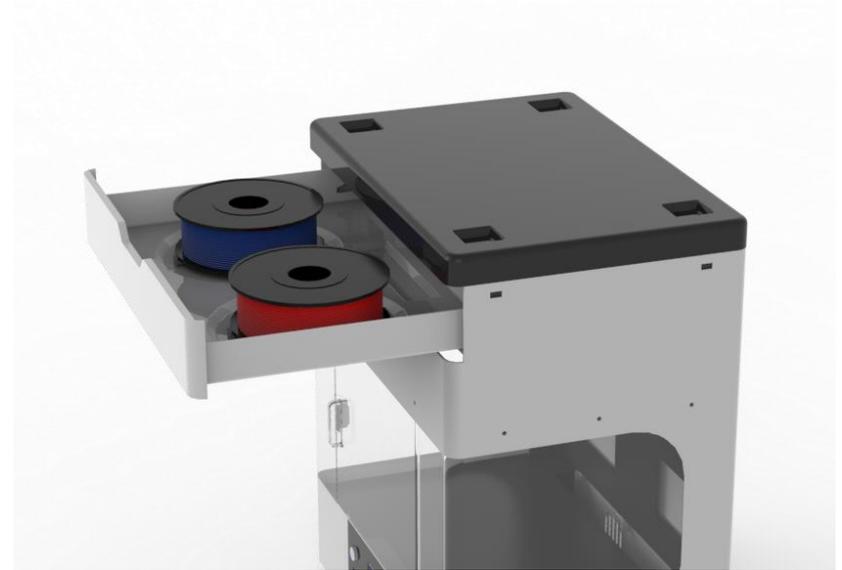
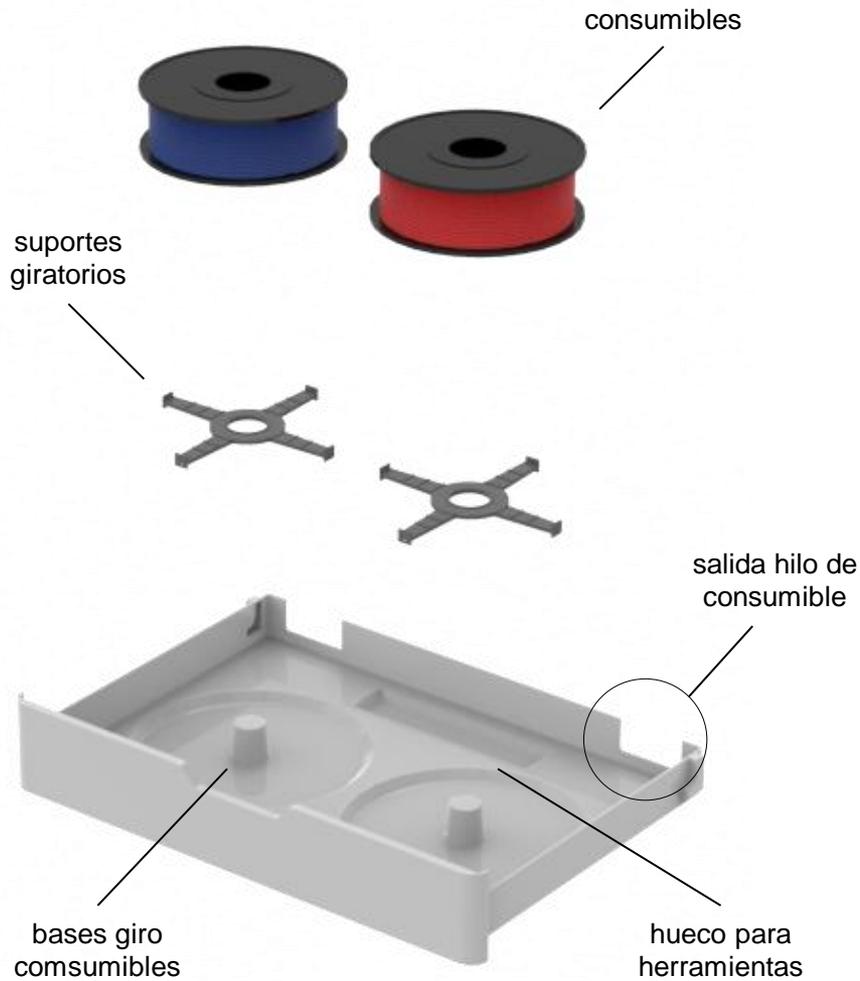
Asa de la cabina.



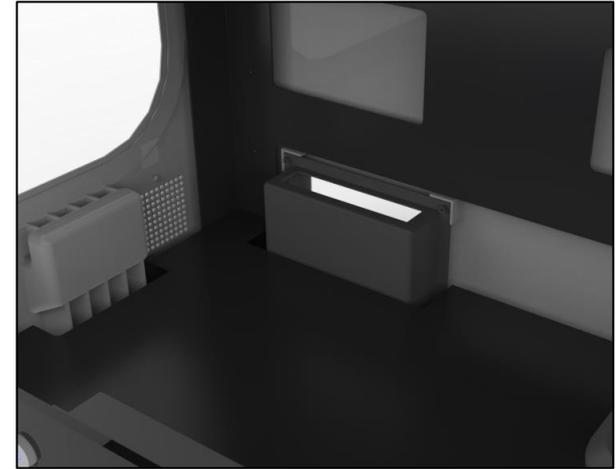
Cierre magnético.



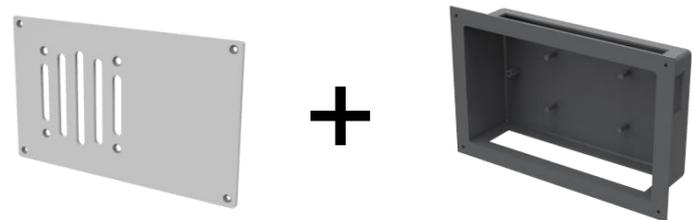
► Bandeja extraíble



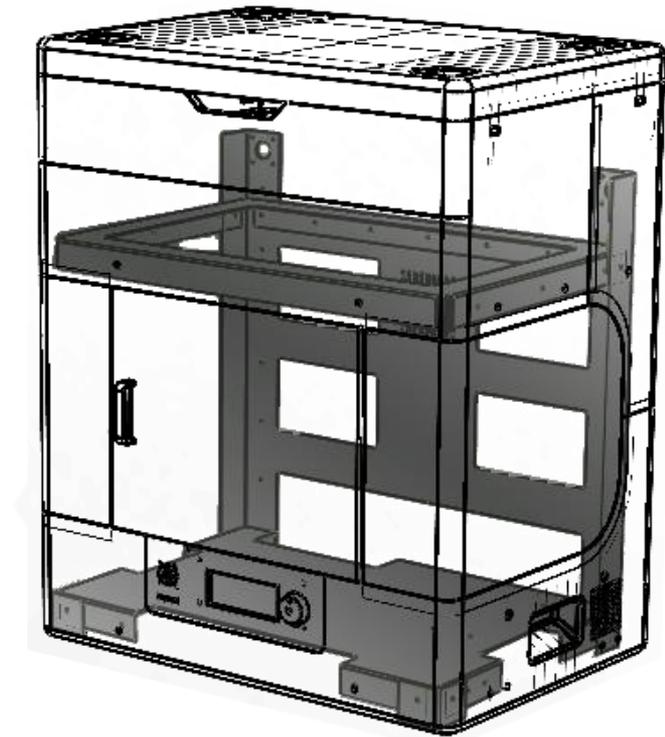
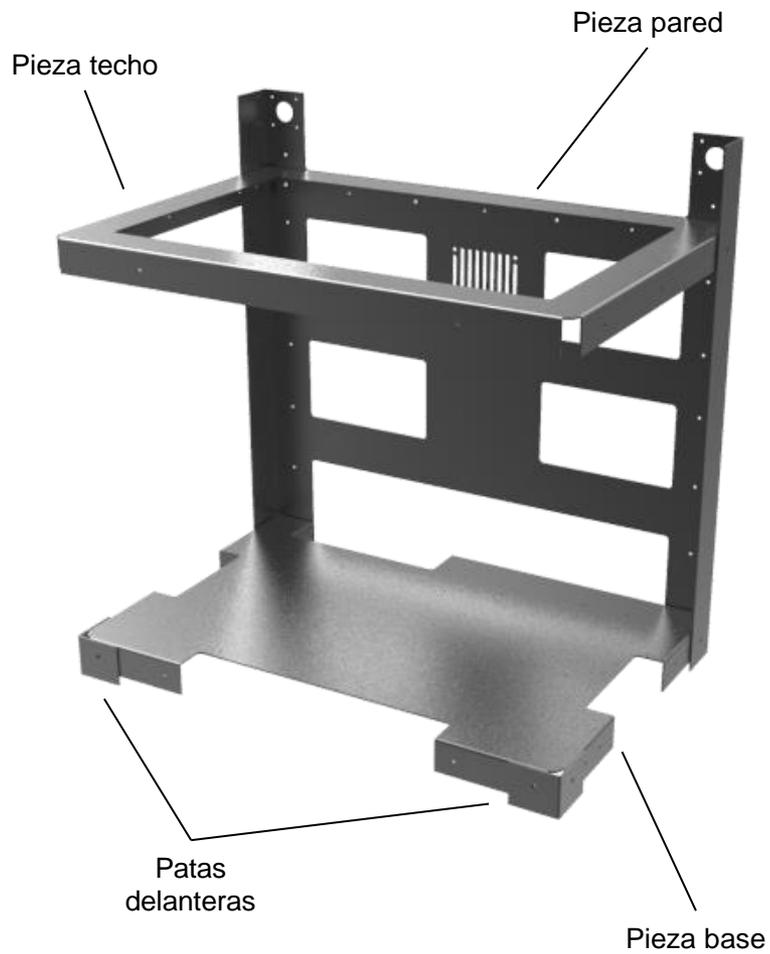
► Acceso placa base



Vista interior.

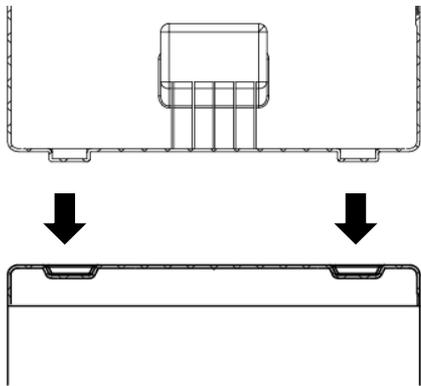
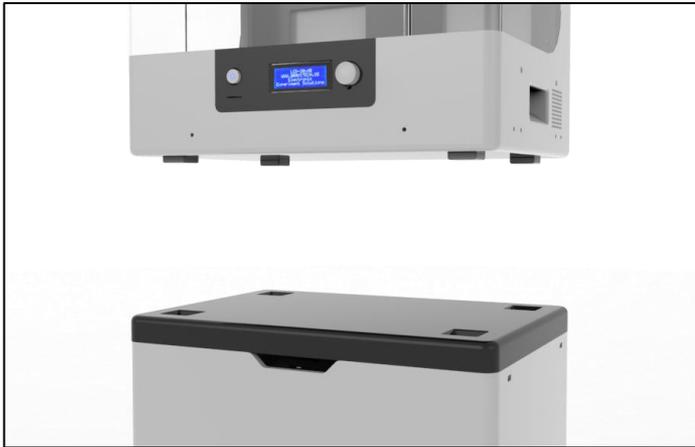


► Chasis



Ubicación del chasis en la impresora 3D.

► Apilamiento

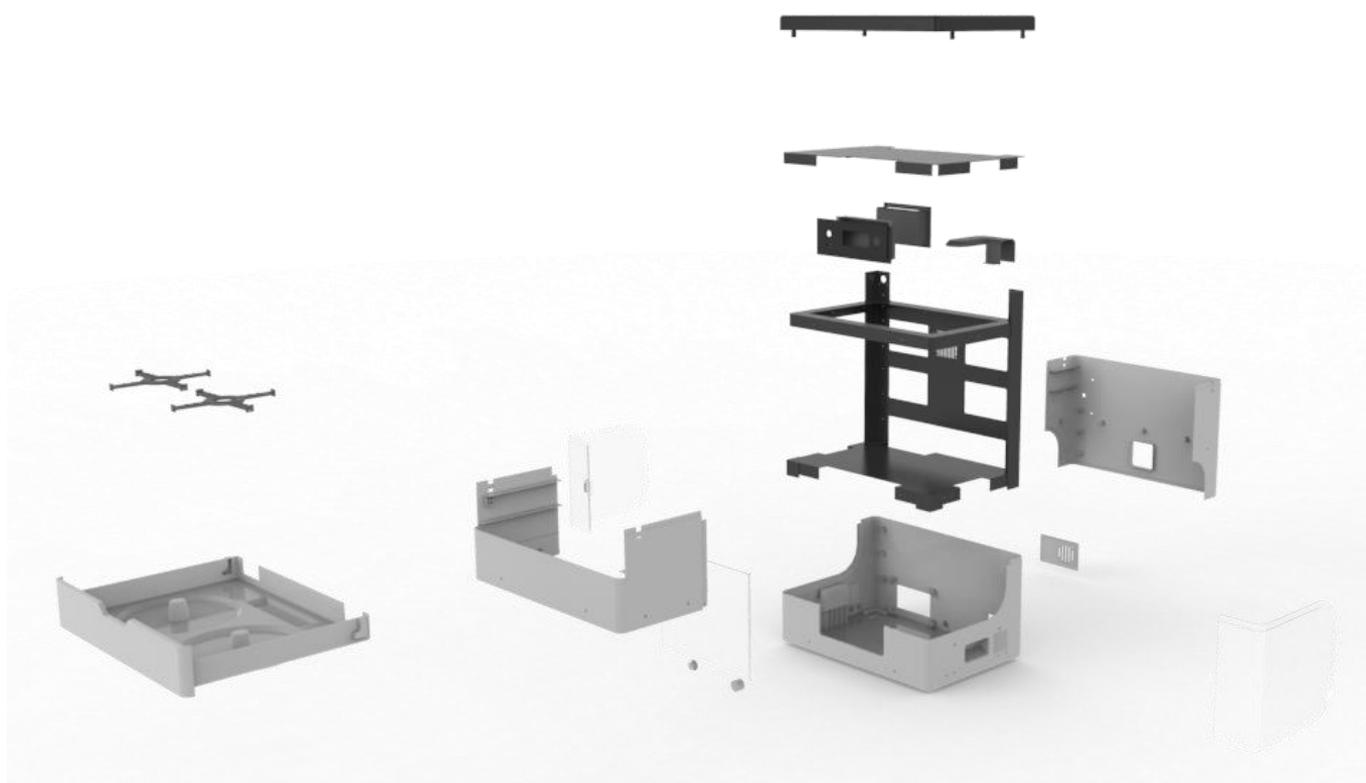


Detalle en sección de la unión.



7. Presupuesto

	C.MATERIAL (€)	C.M.OBRA (€)	C _F (€)
COSTE TOTAL	32636,49	44,02	32680,51
COSTE UNIDAD (1000 uds.)	383,86	44,02	427,88
COSTE UNIDAD (5000 uds.)	357,08	44,02	401,10
COSTE UNIDAD (10000 uds.)	355,08	44,02	399,10



**GRACIAS
POR SU
ATENCIÓN.**

