

BETWEEN-CENTERS ROTATOR

Tank rotation unit

● **Mechanical engineering** ● **Realizations** ○ **Cabling** ○ **Machines**

The **between-centers rotator** is designed for **rotating tanks** (variable dimensions) at low variable speeds. It consists of **an aluminum profile frame**, a **tailstock** assembly, and a **motor drive** unit.

The tank drive is provided by a **variable speed motor** coupled to a pulley-belt system (1/2 ratio), offering a final maximum **rotation speed of 6 rpm**. Connection to the tank is made via an aluminum part equipped with a dedicated adapter coupler.

Power is supplied via a **standard 220V domestic socket**. A front-mounted frequency inverter allows precise **control of the rotation speed.**

The tailstock is mounted on a sliding pivot offering two positions: **working** and **retracted** (for tank removal). Retention in the retracted position is secured by hooks, while a compression spring ensures retention in the working position.

The sub-assembly is mounted on a **slide relative to the chassis**, allowing the **tank dimensions to be modified**.

The system is designed to be placed on a table and **easily moved** via handling handles (Weight: 40kg).

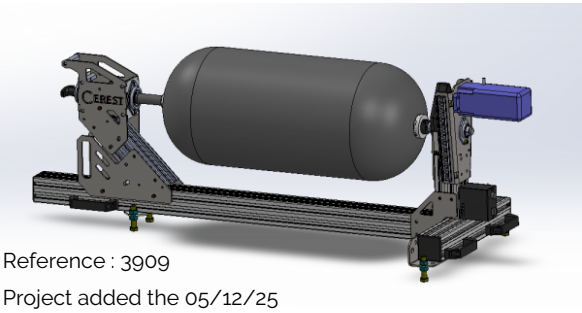
SPECIFICATIONS :

- Variable tank dimensions :

Ø =100mm to 400mm

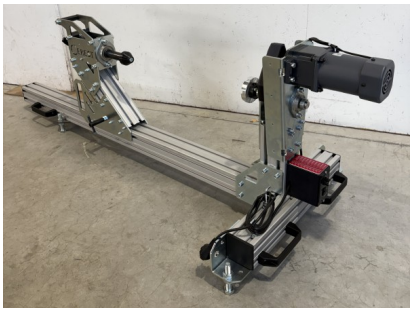
lg = 200mm to 1000mm

- Variable speed (0 to 6 rpm)



Reference : 3909

Project added the 05/12/25





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