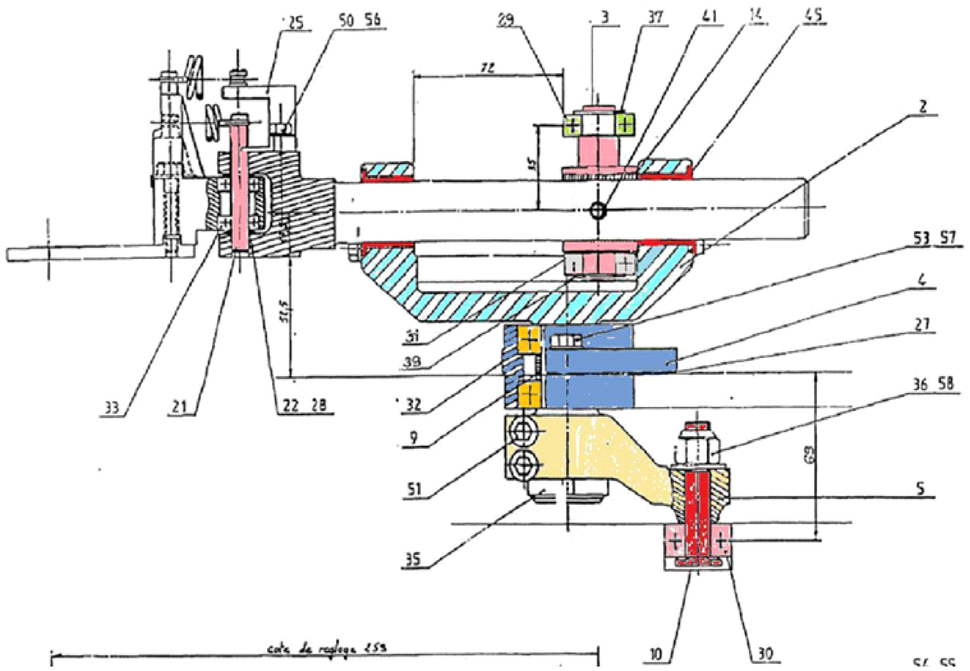
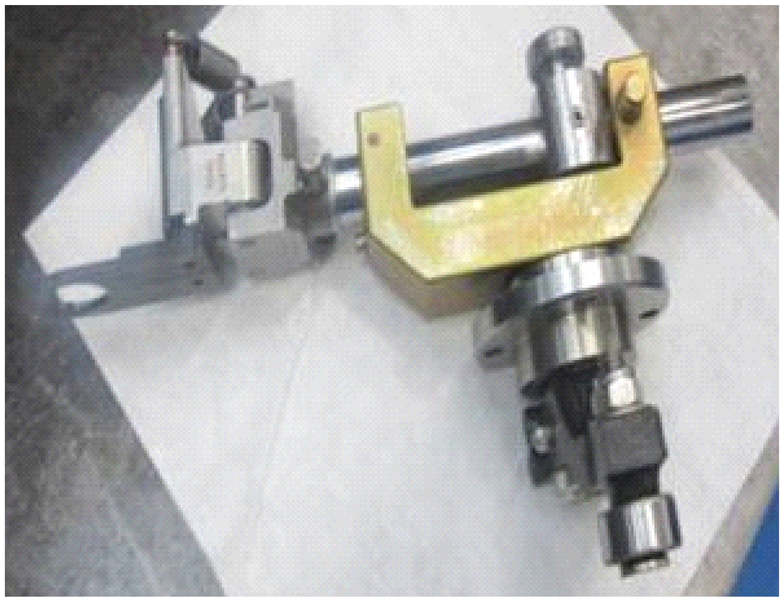
# IMPROVED S1 TRANSFER ARM

# CURRENT SITUATION



- The customer is currently using the sidel version LH**645861** (**1964586101**).

- The customer operates a **24/26** N°**2051** blower.

- After the conversion of **2** machines to a shorter neck, the transfer arms no longer seem suitable. In order to ensure good performance, **3** specific issues have been identified :

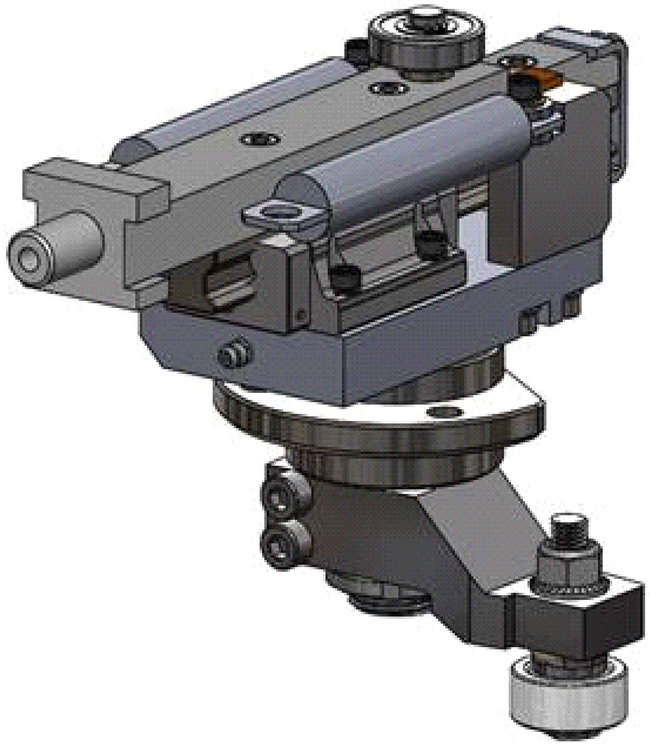
-Heads tend to get askew.

-We have measurement difference between left and right grippers.

-The arms tend to rise when returning to mussel level (end of cam, at the level of the return curve).

# PROPOSED SOLUTION

**A**



## TRANSFER ARM BODY

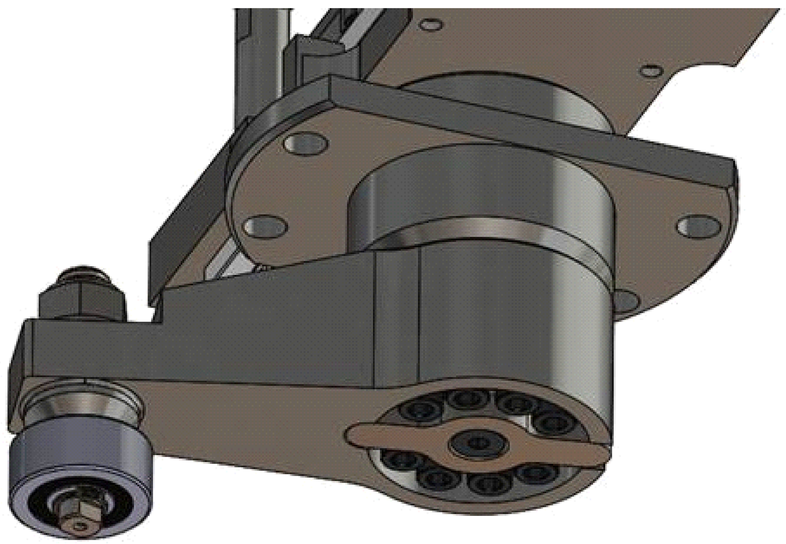
Improvements :

- Linear ball bearing.
- Use of a standard screw-tightening arm (image A).

or

- Use of a powerlock (image B) to improve calibration and rigidity (more expensive).
- Using an S2 transfer arm head (next page).

**B**



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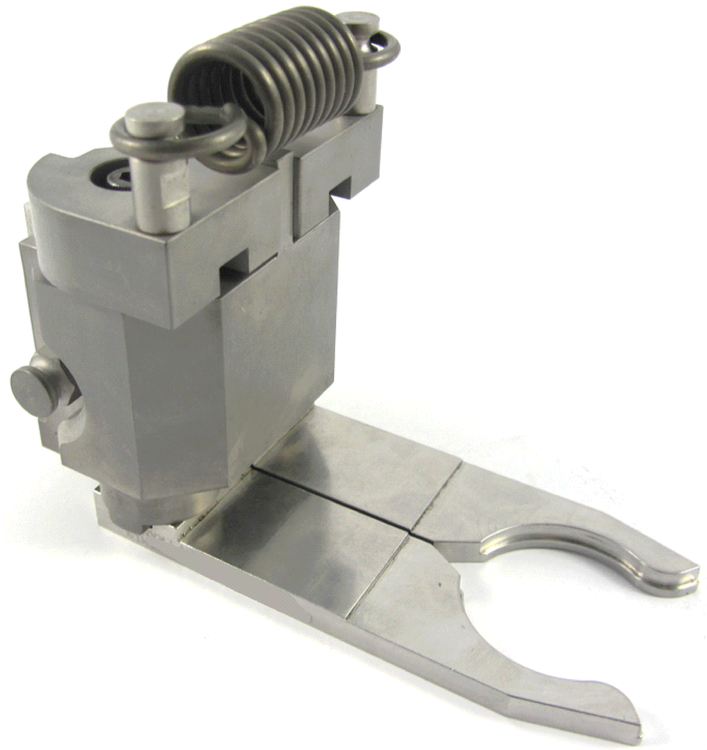

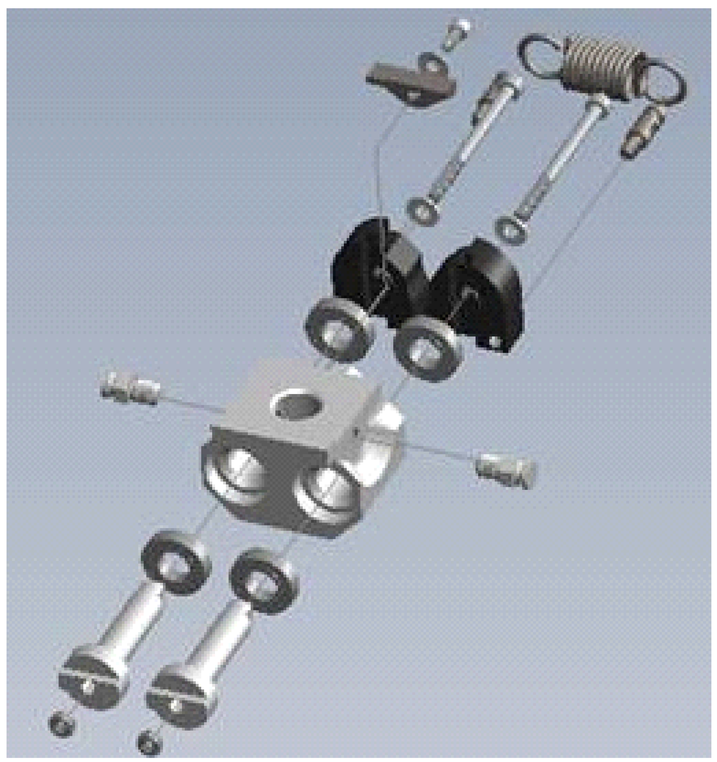

## TRANSFER ARM HEAD

- Use of the improved transfer arm head (lighter type Sidel S2 with ball bearing).

- May require the use of new clamps or the customization of one of the parts to join the clamps to the transfer arm head (validate the most economical solution).

# REQUIRED FOR THE PROJECT

Sending a complete transfer arm, with head and clamps, from the customer for certification/validation of the technical file (2 weeks).

Validation of the clamps type used by the customer.