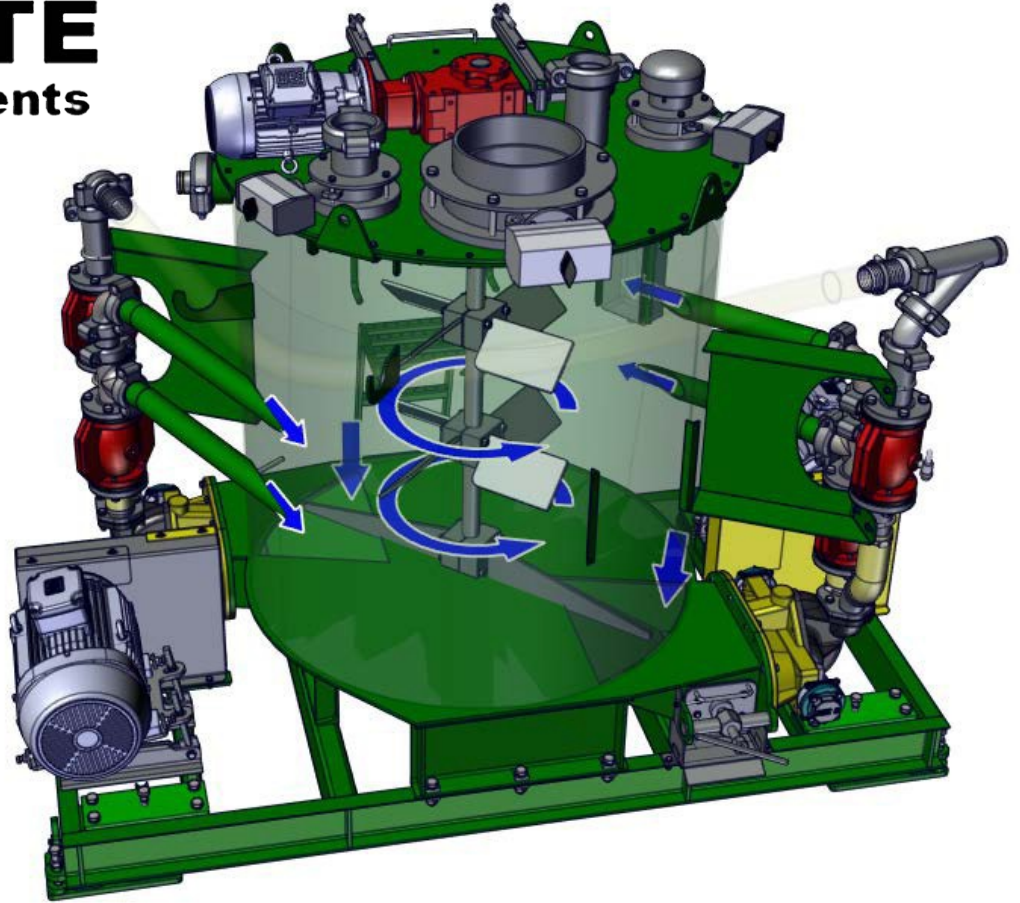


SETTING THE STANDARD FOR TECHNICAL DOCUMENTATION

FLEXWRITE Technical Documents



WWW.FLEXWRITE.COM

"When a customer tells us that they can provide a 3D model, I know most of our problems are over."

-Delio Destro, FLEXWRITE Director

Higher Quality Technical Material. Faster.

FLEXWRITE Technical Documents uses **SOLIDWORKS Composer** to create technical documentation for companies that require high-quality customer facing documents. Upon **SOLIDWORKS Composer** implementation, FLEXWRITE almost immediately noted these changes:

- 50% Time reduction to develop documentation
- 80% Time reduction to update documentation
- 60% Time reduction in project scoping
- Minimal rework time due to changes in project scope



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Challenges

As FLEXWRITE expanded and started serving international customers, the requirement to move away from photographs to develop technical documents became obvious. More than 60% of FLEXWRITE's time was spent obtaining the correct images, and overlaying 2D elements onto those images.

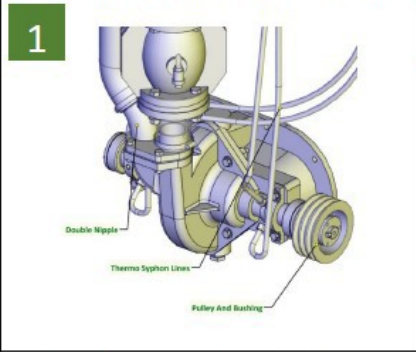
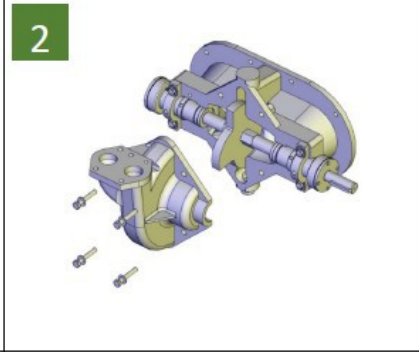
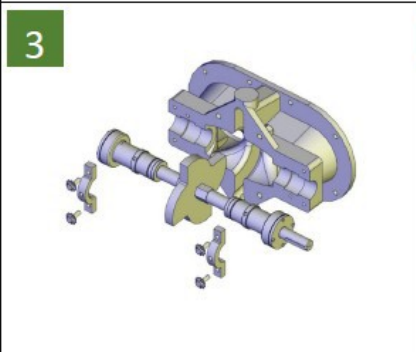
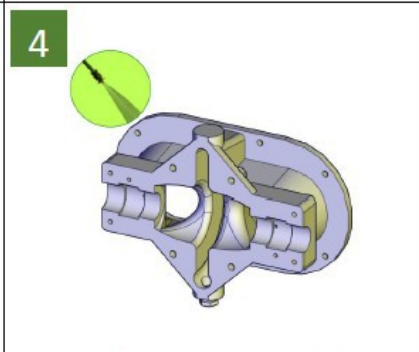
Technical documents such as maintenance and operations manuals, procedures and work instructions were created using photographs or screenshots from 3D CAD viewers. The scope and focus of those documents was limited since most images were supplied by their end customers.

FLEXWRITE would work with the customer's engineering team to capture as many illustrations as possible, hoping that everything was covered. This process resulted in an overabundance of unneeded images, but sometimes it missed some required illustrations. The result was additional meetings to capture the missing information or adjusting the text to the material at hand.

The Solution: SOLIDWORKS Composer

Now that FLEXWRITE has fully implemented SOLIDWORKS Composer, illustrations can be easily created from the customer's 3D model, eliminating the need for photographs.

10.5.2 Inspecting or Replacing the Colloidal Mill Shaft

	
<ul style="list-style-type: none"> • Release the motor and remove the belts; • Disconnect and remove all parts related to the Double Nipple Manifold; • Close the associated valves, and disconnect all the thermo syphon lines; • Remove the belts, the Pulley, and the Bushing; 	<ul style="list-style-type: none"> • Release and remove the bolts holding the Volute top; • Use the jacking bolt. Remove the Volute cover. It may be necessary to use a rubber mallet to release it;
	
<ul style="list-style-type: none"> ▪ Release and remove the bolts securing the mill shaft bracers; ▪ Remove the mill shaft carefully and place it on a clean surface; 	<ul style="list-style-type: none"> ▪ Clean all parts, including the Volute base with high-pressure water. ▪ Revert this procedure to reassemble the unit. ▪ Apply standard torque to the internal bolts (M12) and external bolts (M14).

screenshot from FLEXWRITE assembly manual

"This is a quantum leap in the quality of our deliverables. We now illustrate what we write. Not write around the illustrations we have."

"All feedback has been very positive. I don't think any of our customers would accept manuals illustrated only with photos anymore."

-Julia Filomena, FLEXWRITE Project Manager

Producing Higher Quality Output Faster

Since SOLIDWORKS Composer works directly with most 3D CAD models, FLEXWRITE can create all required images with very little input from their customers. If any design changes, all technical documentation made in SOLIDWORKS Composer is easily updated. This results in higher quality material while saving time for both FLEXWRITE and their customers.

The winning combination of SOLIDWORKS 3D CAD and SOLIDWORKS Composer, the industry-leading technical documentation tool, leads to clear, concise and reliable documentation, while at the same time eliminating the lengthy processes associated with legacy methods.



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