

YOUNGSTOWN STATE UNIVERSITY

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- heads than specified



Conversion of a Flanger into a Joggler



Design Capabilities

- Joggle up to 72 inch diameter by 3/8 inch and above thickness tank heads
- Incorporates repurposed cylinders and hydraulic motors and pumps from flanger
- Keeps same interface of other jogglers for simplicity on plant floor
- Keeps cost minimal for **Commercial Metal Forming**
- **Gives Commercial Metal** Forming a product in which no other company is capable of doing.
- It allows Commercial Metal forming to be ahead of their tank head manufacturing competition

Next Steps

•	Send out detailed drawings
•	Determine total cost of
	machine
•	Purchase components for the
	machine
•	Receive parts and assemble
	machine
•	Test and run joggler