

# Project Plan Resume

- 1. WPO: Annealing of cooper sheets*
- 2. WP1: 1,3GHz copper cavities spinning*
- 3. WP2a: simulacra test on variable annealing temperatures*
- 4. WP2b: simulacra test on intermediate dies*

# 1,3 GHz Spinning and Spinnability Test

## 1. 1,3 GHz Spinning:

- ❖ The old operator is retired, we are looking for the possibility to contract him for these treatments (next week we will have the final meeting)

## 2. Spinnability Test:

- ❖ Copper Sheet annealed with the standard treatment at 500°C for 2h
- ❖ We had a little delay for the contract with Padua University
- ❖ We established the hardness test and finalizing the test definition for the spinnability

**1 Month delay from  
the original schedule**

# Spinnability Test

First Half Cell:

1. Test Spinning with fixed Angle (copying the shape of the cavity)  
First
2. Tensile Test at the status of the material before the spinning

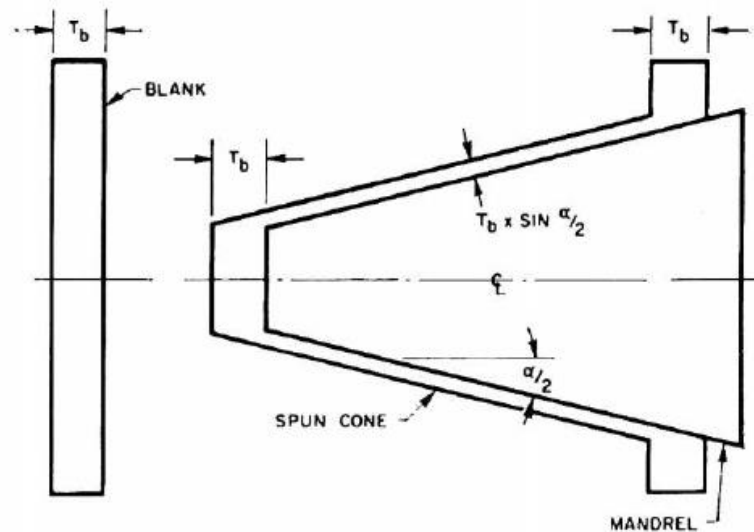


Fig. 1 The sine law

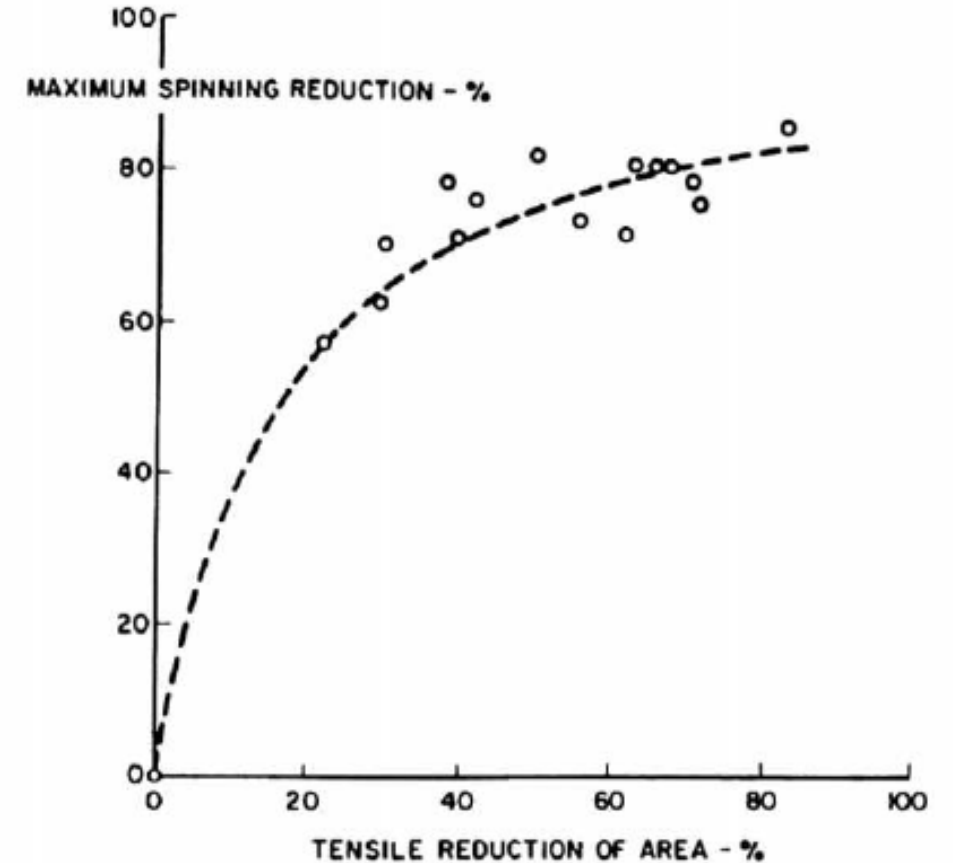


Fig. 9 Spinnability versus tensile reduction

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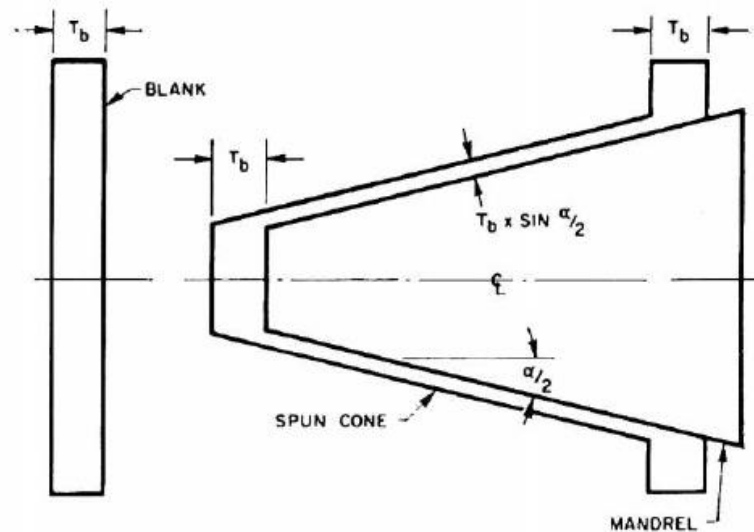


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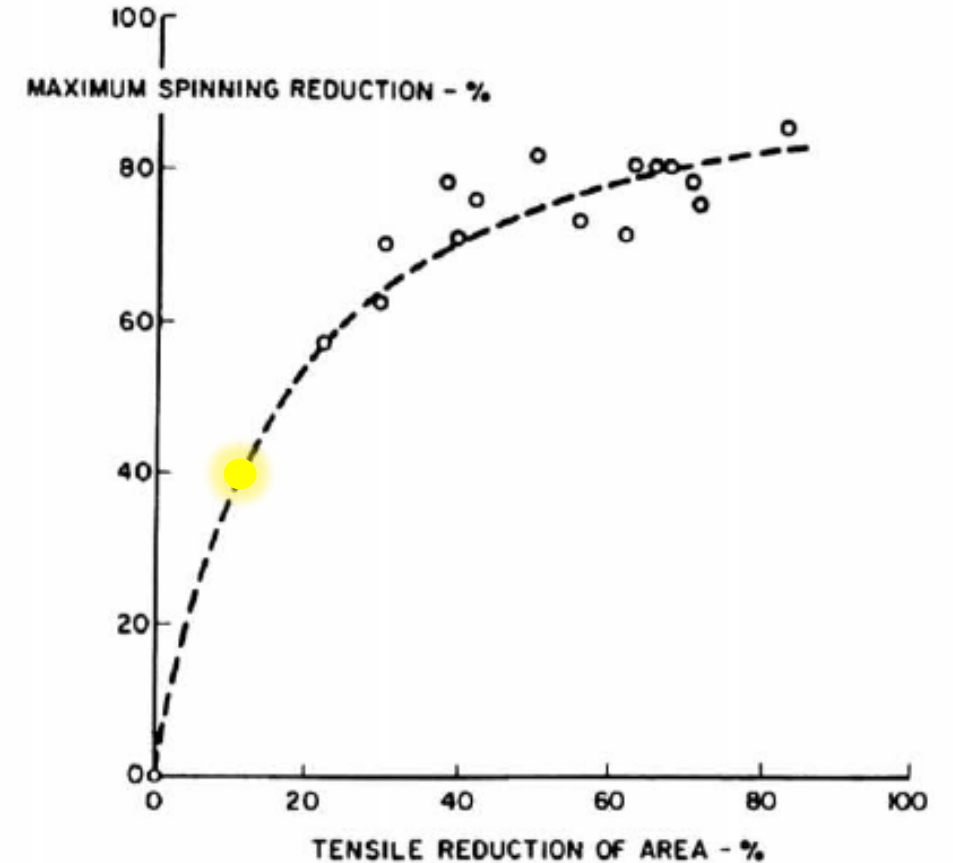
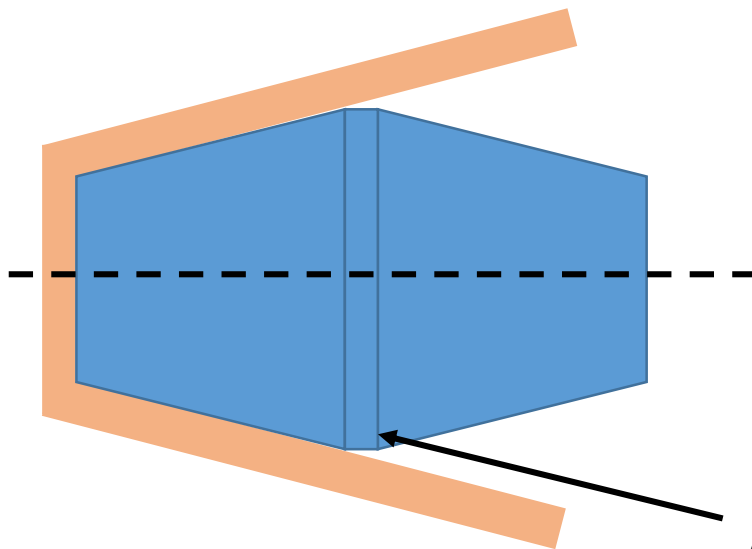


Fig. 9 Spinnability versus tensile reduction

# Spinnability Test

Second Half Cell for 3 different Annealing Temperatures:

1. Test Spinning with fixed Angle (copying the shape of the cavity) Starting from the simulacrum obtained from the first half cell spinning
2. Tensile Test at the status of the material before the spinning of the second half cell at three different Annealing temperatures



Diameter of the base of the cone in the range 150-200 mm

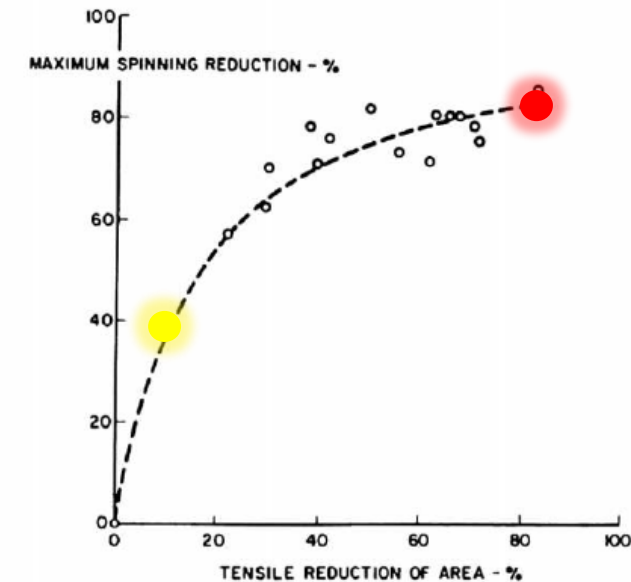
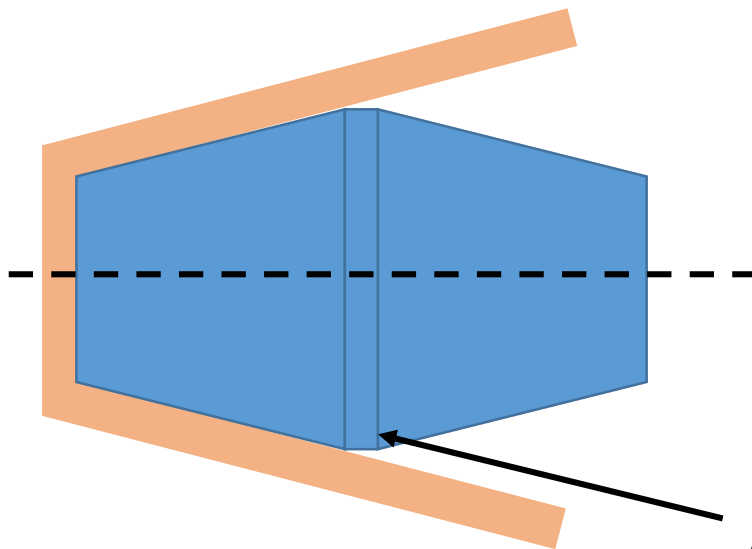


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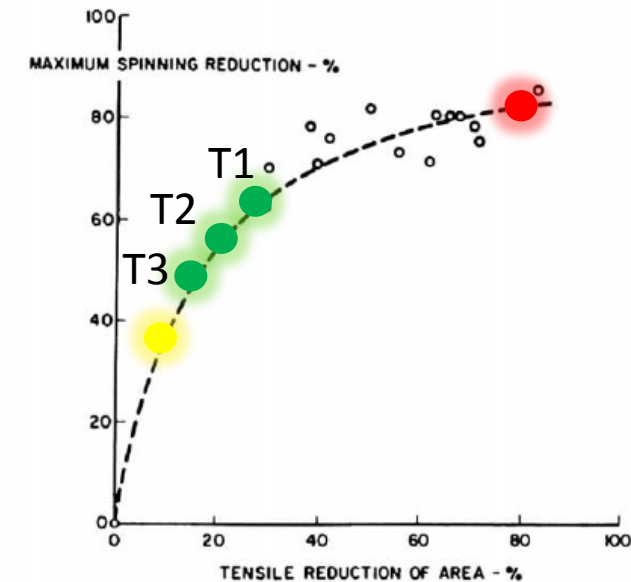


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