

# Welcome



SCME

## Micro Nano Tech Conference 1



# Who am I?

The logo for SCME (Society of Critical Materials Engineers), featuring the letters 'SCME' in white on a golden gear-like background.

SCME

- Paul Behrendsen – Materials Engineer
- COO – Senda Micro Technologies
  - Held position for one year
  - Start up Micro electro mechanical (MEMs)
- Former Chief Engineer - Delphi/GM
  - 32 years in various materials activities
  - Automotive components

# Senda Micro Tech

The logo for the Science and Commercial Microelectronics (SCME) program, featuring the letters 'SCME' in white on a golden gear-like background.

SCME

- MEMs switches and sensors
- MEMs development company
- High frequency device for testing
- Uses typical micro electronics fab
- Employees - 4
- Locations
  - El Paso, Tx; UACJ; and UNM



# Technician/Educational Needs

The logo for the Society for Chemical Manufacturing Education (SCME), featuring the letters 'SCME' in a bold, sans-serif font inside a glowing orange gear-like shape.

SCME

- Assure there are people available to run MEMs lines in the region
- Understand chemicals and safety
- Ability to identify change in processes
- Know typical documentation methods
  - When to graph
  - Anomalies rule
- Understand SPC and statistics
- Chemical rules like MSDS, IMDS, ROHS



# Techs on the border

The logo for the Science, Community, and Manufacturing Education (SCME) program, featuring the letters 'SCME' in a bold, sans-serif font inside a golden gear-like shape with a gradient from yellow to orange.

SCME

- Border companies want US leaders
- Leaders in procedures, and how to interact
- Training on how to run equipment is not that important
- Being able to analyze is key
- Students must understand the project goals
  - Not cookbook
  - Not all routine

# Future Glimpse

The logo for SCME (Southwest Center for Manufacturing Education), featuring the letters 'SCME' in a bold, sans-serif font inside a glowing orange gear-like shape.

SCME

- We plan to hire several techs in the next year
- Along the border, there is growth in electrical manufacturing, such as computers
- Electronics is of interest as a new area