

# ADVANCED TECHNOLOGIES FROM ISRO

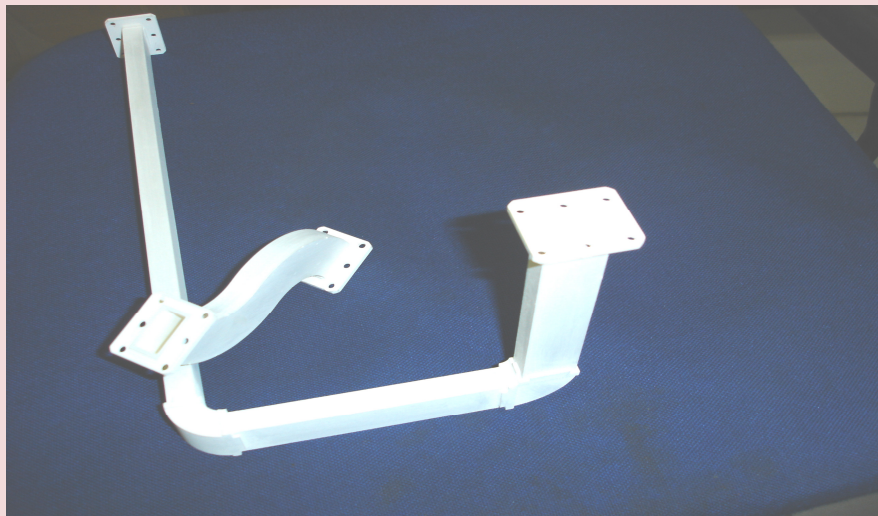
Interest Exploration Note

TT / 10 / 01 / SAC

## SILVER PLATING ON WAVEGUIDES

Indian Space Research Organisation at its Space Applications Centre (SAC), Ahmedabad, has developed a process to carry out silver plating in aluminium waveguide. It is an intricate process considering the complexity and shape of the component. Uniform deposition (inside & outside) throughout the component is achieved using this process.

Silver plated waveguides are used in communication payloads of satellites. Silver plating on Aluminium is required to obtain good RF performance. Silver provides the best known electrical conductivity and is solderable.



### Specifications

Electroless Nickel Plating Thickness	6 to 8 microns
Silver Plating Thickness	5 to 8 microns

## Pre Requisites:

1. Industry must possess basic electroplating know how.
2. Industry must possess electroplating set up including baths, anodes, power supply etc.

## TECHNOLOGY TRANSFER FROM ISRO

ISRO is willing to offer the technology to eligible interested parties. Interested entrepreneurs / industries are requested to contact the address given below with all relevant particulars regarding their line of current activity, infrastructure available, market assessment of the technology, financial arrangements made, turn over and sales of their products for the past years and a copy of their latest annual report.

For further details, please contact:

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