Spectron

ICP-MS CONE MAINTENANCE DECISION TREE

For identifying contamination, damage, or cleaning paths based on performance decline

PERFORMANCE ISSUES

Signal intensity drops or unstable
Background Levels Increase or Noisy

Is Cone Damaged?

Tip Condition (Erosion, Cracking, Pitting)
Orifice Occlusion or Deformation
Warped or blocked orifice
Structural compromise

YES

NO

Is Cone Nickel or Nickel Copper?

RECYCLE & REPLACE CONE

Is Cone Platinum (Pt/Ni or Pt/Cu)?

REFURBISH OR REPLACE

REPLACE

Buy New Cones
www.spectronus.com

OR

Spectrongreen
Recycle for Credit
OR
Refurbish (Pt Cones Only)

SEE QR CODE FOR MORE DETAILS

Is Cone Candidate for Cleaning?

Surface Deposits
Discoloration
Blocked Orifice but no tip damage or warping
No cracks, pitting or tip erosion

NO

YES

If Cone has thickened deposits which need mechanical cleaning or very minor tip damage

SEND FOR RECYCLE & REPLACE

If Nickel

Spectrongreen
SEE QR CODE FOR RETURN INSTRUCTIONS

SEND FOR REFURBISH

If Platinum

DETERMINE TYPE OF CLEANING

Light Contamination or early deposits

Heavy Contamination or visible deposits

GENTLE CLEANING METHOD

Did This Fix Performance Issue?

NO

YES

Use Enhanced Cleaning Method

Did This Fix Performance Issue?

NO

YES

ENHANCED CLEANING METHOD

Did This Fix Performance Issue?

YES

NO

Log Maintenance and Resume Analysis

Spectrongreen
Recycle for Credit
OR
Refurbish
(Pt Cones Only)

SEE QR CODE FOR MORE DETAILS