

Technical Bulletin

June 2013

THE ERVIN SPOT CHECK GAUGE IS....

A unique device developed by Ervin Industries to help maintain a balanced abrasive work-mix.

Using the ERVIN SPOT CHECK is the first and most important step toward achieving world-class finish and simultaneously attaining maximum equipment throughput and the lowest possible operating costs.

It's Hard to be a Problem-Solver if You're not Aware the Problem Exists

Many blastcleaning problems such as unacceptable finish, slow cleaning and high costs can be traced directly to a common cause generally referred to as an unbalanced work-mix. The ERVIN SPOT CHECK GAUGE will immediately alert you to this frequent problem.

A Balanced Work-Mix Has Impact and Coverage Values in Proper Proportion

A balanced work mix is automatically generated by normal abrasive breakdown in the recycling system with fine, spent abrasive being removed by the air-wash separator and new abrasive being added on a regular, controlled basis. This abrasive mixture of full size, mid-size and finer size particles performs the cleaning and finish work.

A balanced work-mix therefore has abrasive performance values of IMPACT and COVERAGE in proper proportion.

Is Your Abrasive Work-Mix in the Green?

The ERVIN SPOT CHECK GAUGE uses a colour coded cylinder and a screen device calibrated to the size of abrasive being added to the machine.

It's Simple & Quick

Fill the colour coded cylinder to the top with a machine work-mix sample, empty the cylinder into the screen device, shake gently and return the abrasive retained in the screen device to the colour-coded cylinder. A properly balanced work-mix will level off in the green zone.

In The Yellow or Red Zones?

Now you are aware of a problem. Work-mix in the red zone is significantly out of balance with either an excess of full sizes (top zone) or finer sizes (bottom zone). Don't panic.

You probably have a great opportunity to immediately improve your blast operation. Yellow zones represent caution, alerting you to make adjustments before you have a more serious problem in cleaning or costs.

A PROPERLY BALANCED WORK-MIX IS THE KEY TO EFFICIENT BLAST CLEANING

Now you have a simple tool to provide instant analysis. Your Ervin Sales Representative will help you become more familiar with the SPOT CHECK. Call him... let him help you control your work-mix for that world-class finish.

The World Standard for Quality



ERVIN SPOT CHECK KIT REFERENCE INFORMATION

A Scale

S660 through S390
G12 through G18

B Scale

S330 through S280
G25

Colour Code

RED
YELLOW
GREEN
YELLOW
RED

Scale

A

60% Plus
45 - 60%
30 - 45%
15 - 30%
Less than 15%

B

65% Plus
50 - 65%
35 - 50%
20% Plus
Less than 20%

Screen Mesh

12
14
16
18
20
25

Original Size Shot/Grit

S660 - G12
S550 - G14
S460 - G16
S390 - G18
S330 - N/A
S280 - G25



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