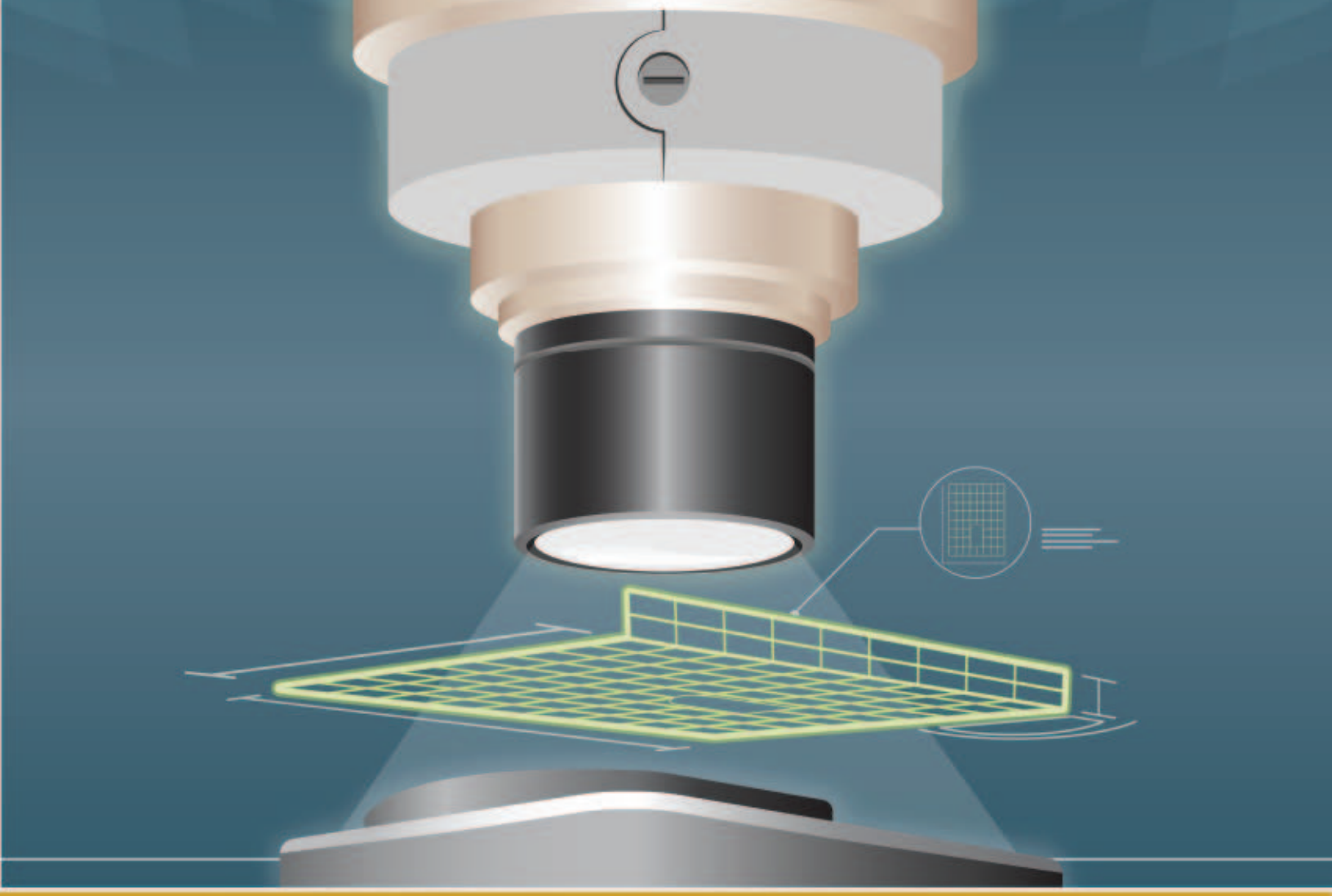
MIRUC

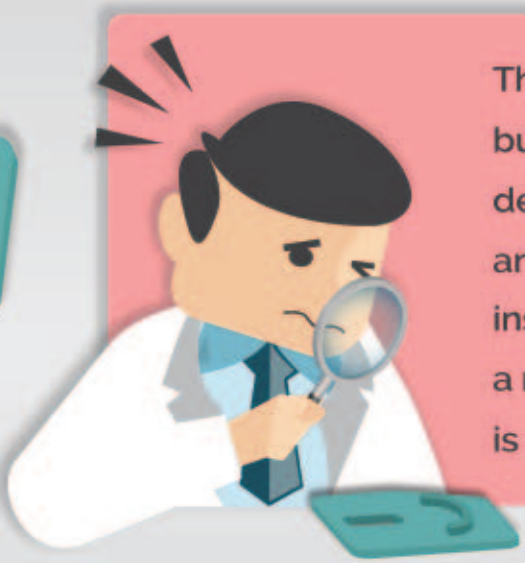
Burr Inspection Operation of Rubber Products Using an Inspection Microscope



TIME SAVER

PROCESS IMPROVEMENT

PROBLEM: Magnifying glasses are used for burr inspections, but misjudgments frequently occur because the burrs are difficult to detect.



The appearance of burrs is different depending on the angle they are inspected. Handling a magnifying glass is also troublesome.

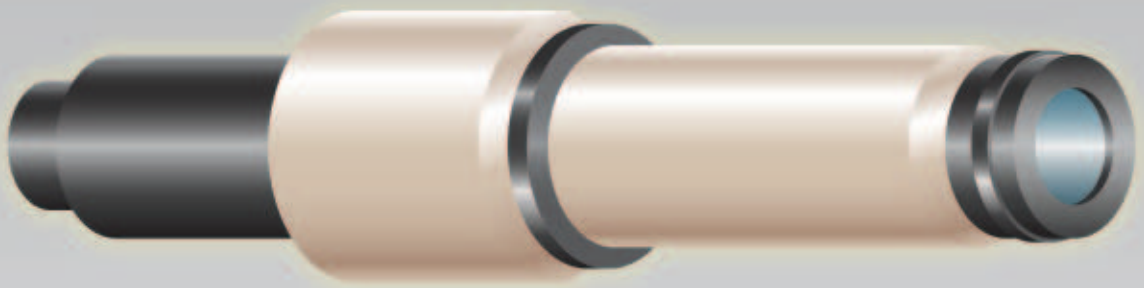
Experienced workers who are accustomed to the operation do not make as many mistakes as newer workers.

RESOLVED: With the Inspection Microscope, visibility is improved, leading to quality inspection.

The viewing of the burr is standardized and misjudgements have drastically decreased.

The inspection microscope is fixed on a magnetic stand.

If the items and parts to be inspected change, clients could still make burr inspections through the combined use of the microscope and magnetic stand.



Inspection Microscope (M-1 (A))

Features:

Bright lens
and wide view

Visibility correction
function

Combined
magnification

Eyepiece and objective
lenses included

Points for application

- By using the optional movable micrometer eyepiece (10x magnification), measurement of 0.001mm using a 10x objective lens is possible.
- The scale of the movable micrometer eyepiece is composed of fixed graduations of 8 equal parts totaling 8mm and a movable index line.
- The moveable index line is composed of 2 vertical lines and diagonal crosshairs and moves left or right in accordance with the rotation of the handle.
- The handle, at 1 rotation, moves 1mm/100 graduations (1 mm of 100 engraved equal parts) and the amount of movement is read using this scale.