Redução dos desgastes como estratégia para aumento da produtividade

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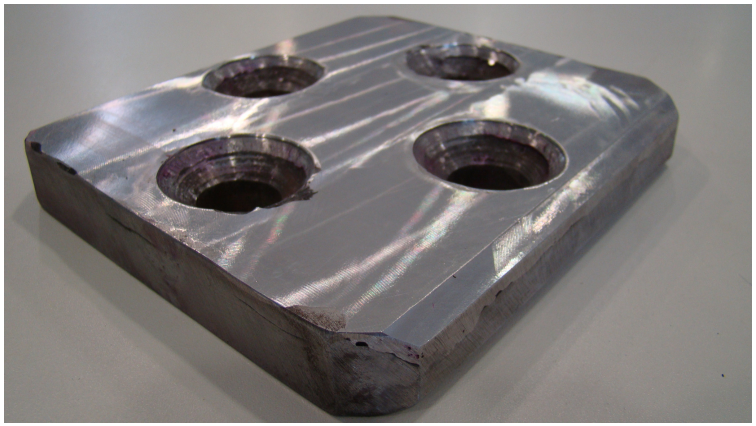
Laminação à quente



Chapa de Desgaste

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Situação Encontrada

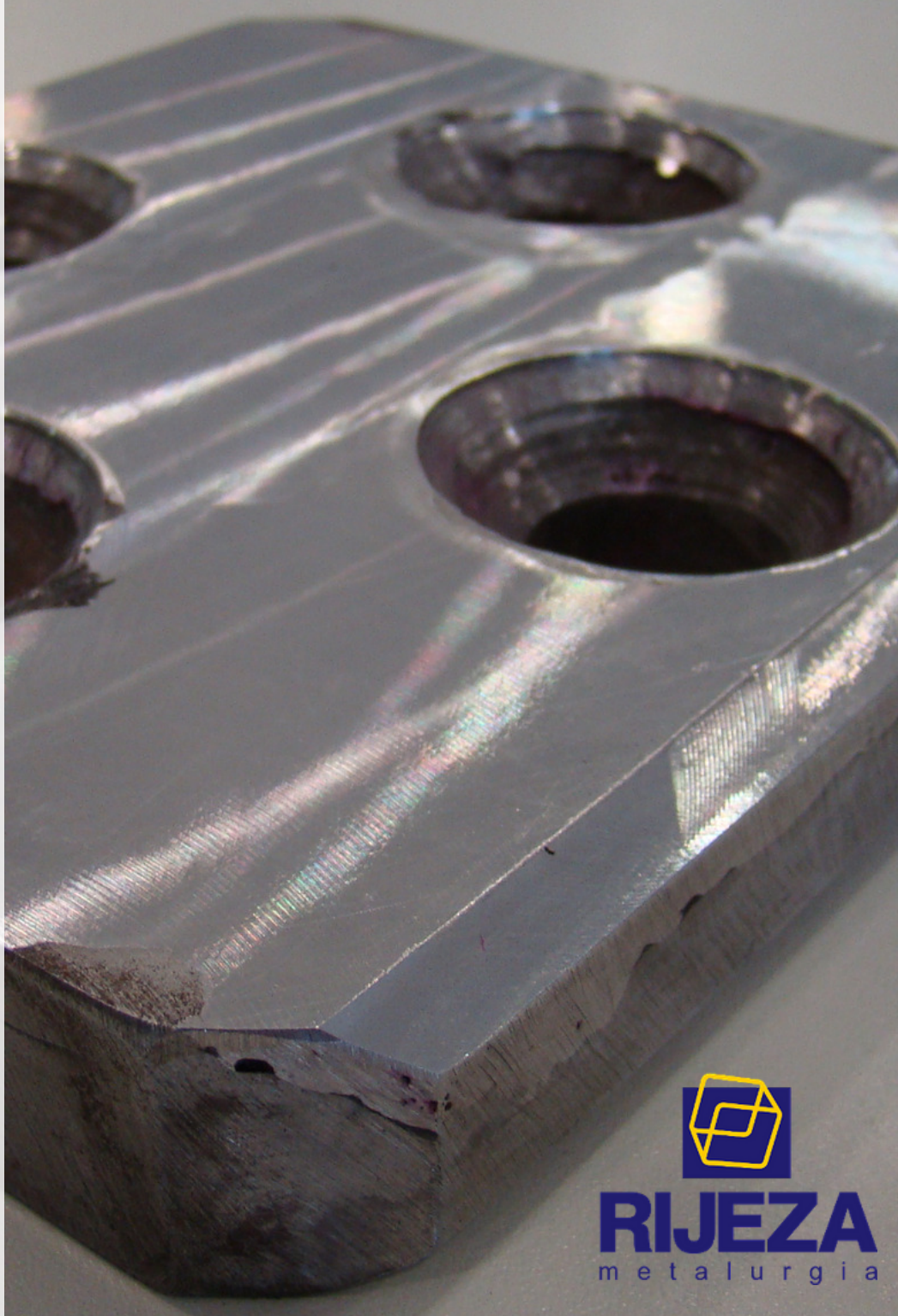
1 - Duas por linha
2 - Durabilidade: 3 dias
3 - Custo da peça: R$ 300,00 por cj
4 - 10 paradas para troca por mês
5 - Produção de itens defeituosos
6 - Elevado número de chapas no estoque.

Situação Atual

1 - Durabilidade: 30 dias
2 - Custo da peça: R$ 2200,00 por cj
3 - 1 paradas para troca por mês

Ganhos

1 - Reduçaõ de 9 Set ups para trocas
2 - Redução do custo de Peças:
28% ou R$ 9600,00 por ano
3 - Redução do estoque de peças de repos.
4 - Redução de produção de item defeit.



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Situação Encontrada

1 - Revestimento Stellite 6 com 3 mm de camada

Situação Atual

1 - Revestimento Stellite 6 com 0,3 mm de camada

Ganhos

1 - Redução do custo do revestimento

2 - Redução de tempo de usinagem de acabamen

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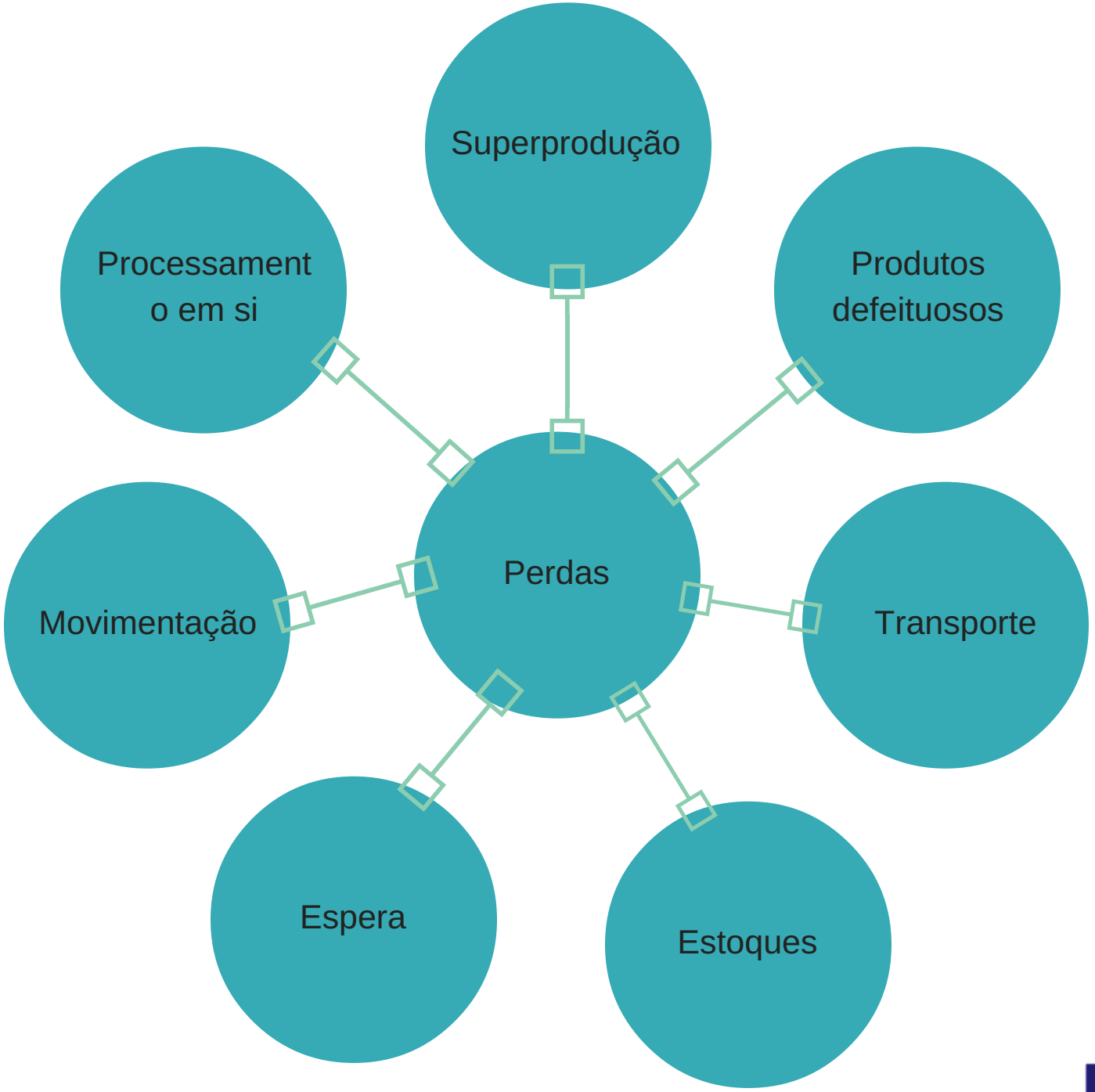

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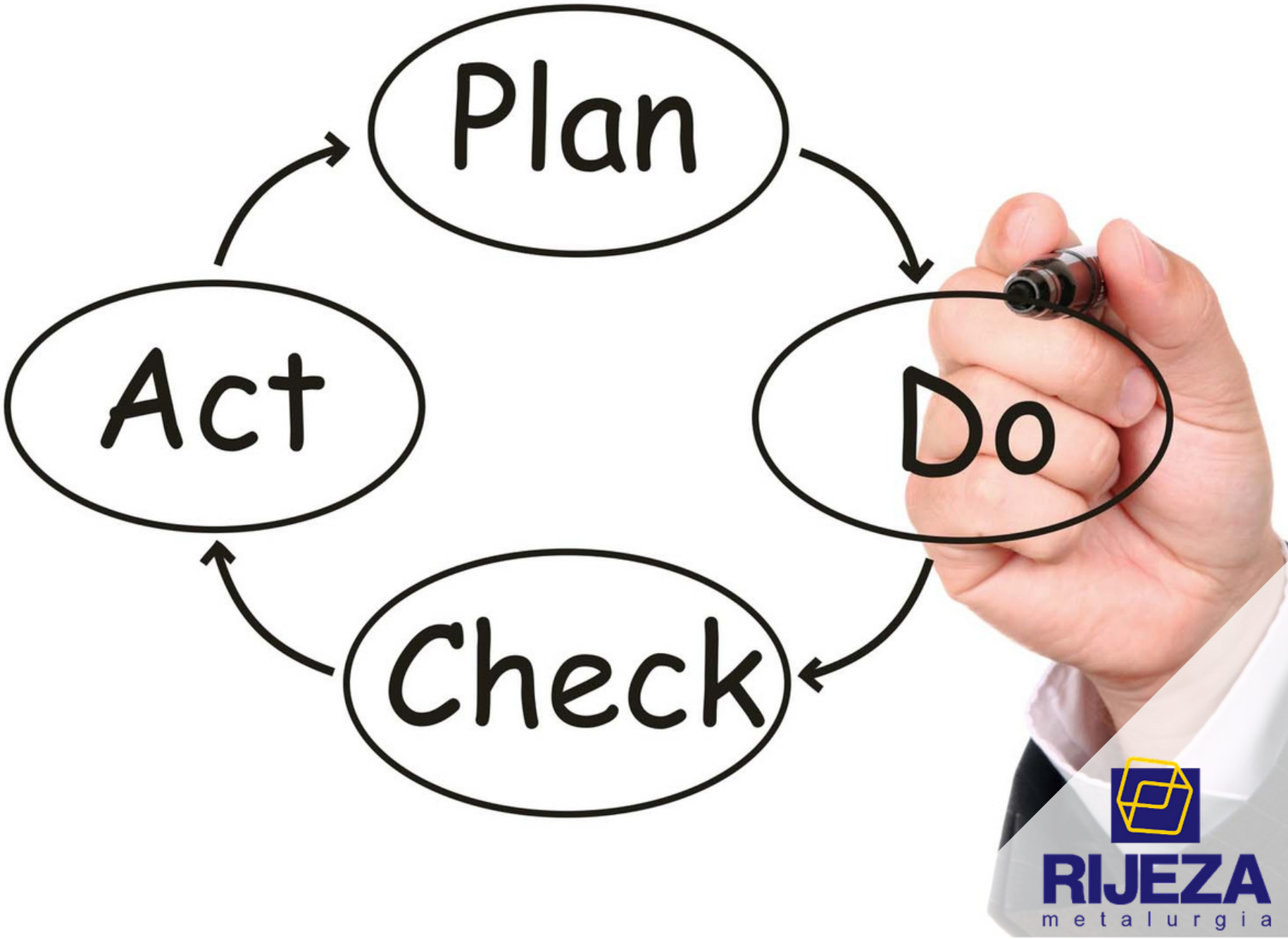
Plan
Do
Check
Act
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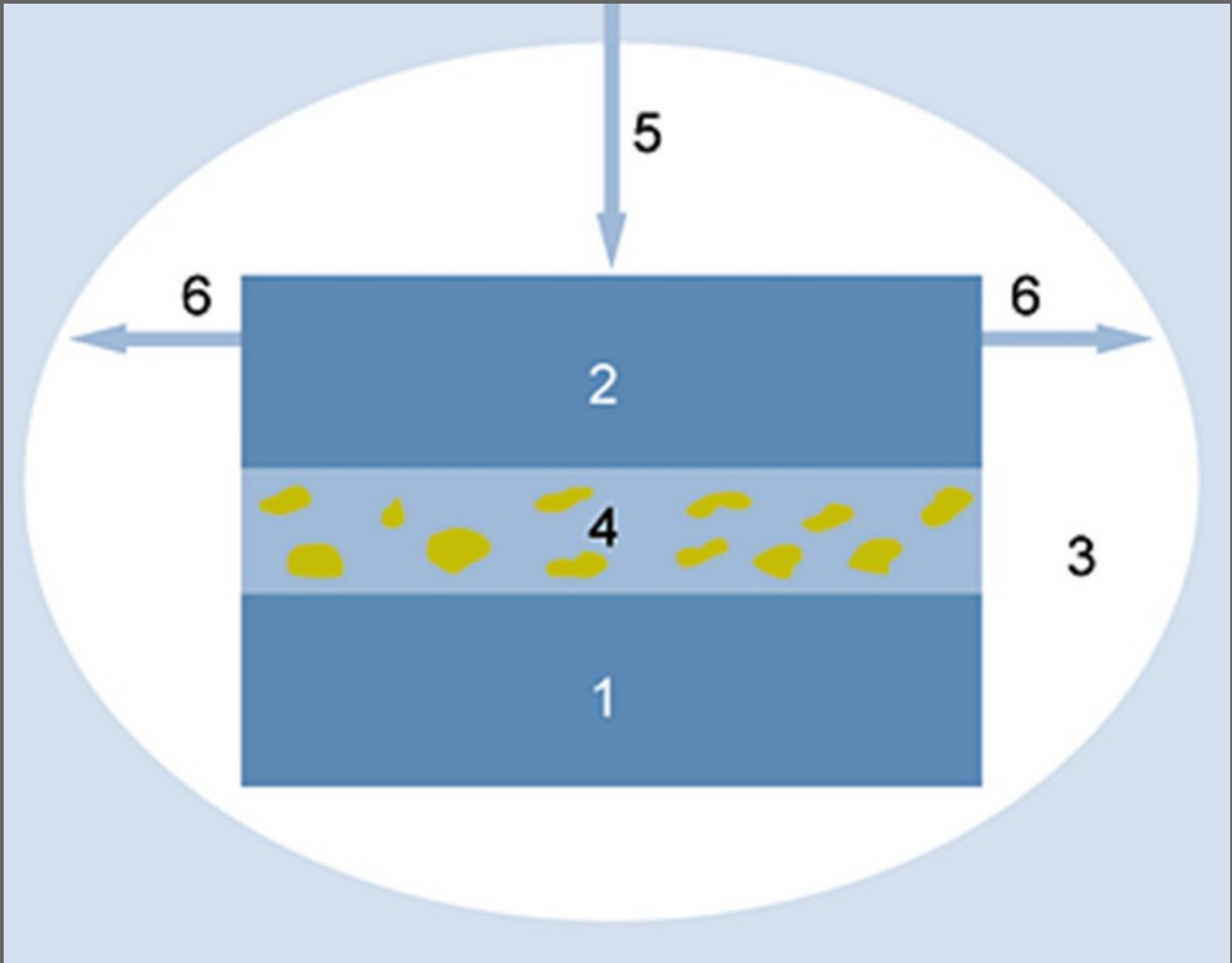
Tribologia



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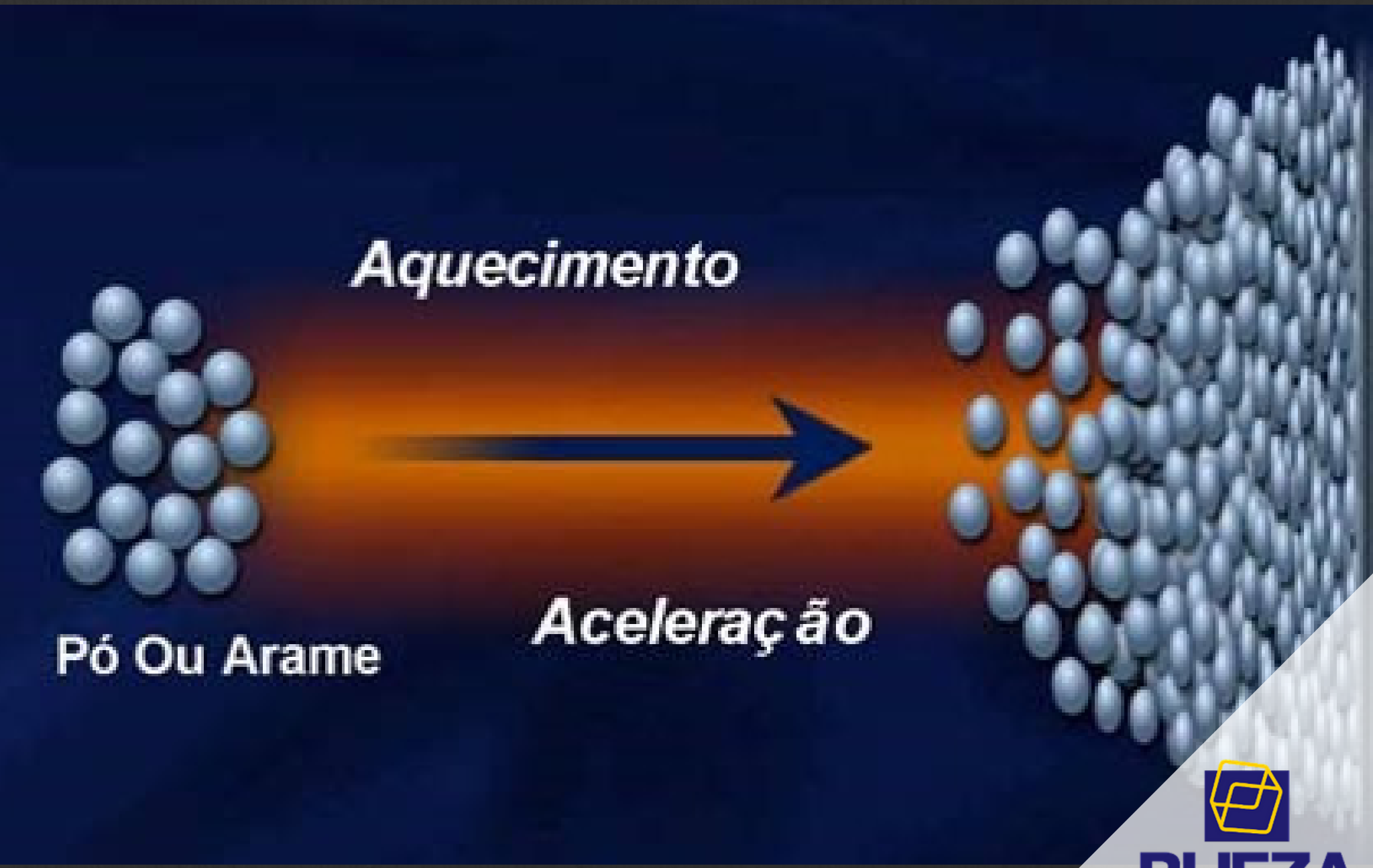

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HCAT

U.S. - CANADIAN

HARD CHROME ALTERNATIVES TEAM

Hard Chrome Alternatives Team

Joint Group on Pollution Prevention

Propulsion Environmental Working Group

PROGRAM REVIEW MEETING

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HEALTH

Chromium limit called inadequate

The government set new limits on exposure to particles of chromium, a cancer-causing metal, but many said the standard doesn't go far enough.

BY RICK WEISS
Washington Post Service

WASHINGTON — Capping more than a decade of legal wrangling, the government on Monday announced new and controversial limits on workplace exposures to airborne particles of hexavalent chromium, a cancer-causing metal.

The new "permissible exposure limit" — five micrograms of the toxic dust per cubic meter of air, averaged over an eight-hour period — is about one tenth the level that has been permitted since 1943. But it will allow exposures five times higher than Occupational Safety and Health Administration had initially proposed in 2004, and 20 times higher than had been sought by activists who filed suit to force the agency to set a new standard.

More than half a million Americans are exposed to the metal at work, including steel workers, welders, chrome platers, and paint and pigment makers. By the agency's own estimates, 88 percent of them will get no additional protection under the new standard because their workplaces already meet it.

The agency cited technical challenges to achieving lower exposures and impacts on the industry's bottom line as the main reason for going with the 5 microgram limit instead of the 1 microgram limit it had initially proposed.

"After a careful analysis, we determined that . . . five is the lowest level that is feasible both technologically and economically," said Jonathan Snare, acting assistant secretary of labor for occupational safety and health, speaking to reporters on a conference call.

Reaction was swift and critical from environmental activists, union officials and public health policy analysts.

"It's pathetic. The agency has gone to the dogs at this point," said Peter Lurie, deputy director of Public Citizen's Health Research Group, the Washington-based advocacy organization that, along with a labor union, had sued OSHA to set a new limit.

OSHA officials said the new lower limit is a sensible balance between current reality and a perfect world.

They conceded that the new limit will still allow 10 to 45 excess deaths from lung cancer for every 1,000 workers exposed to the metal over a 45-year period. But they said between 45 and 145 of the lung cancer deaths that occur annually as a result of today's actual exposures will be prevented under the new rule.

Mike Wright, director of health, safety and environment for the United Steelworkers, accused the industry of "playing fast and loose with the data on risk" and said "many dedicated public servants" at OSHA were being overruled by political appointees beholden to business.

"The consequence of OSHA's decision," Wright said, "will be that workers will die."

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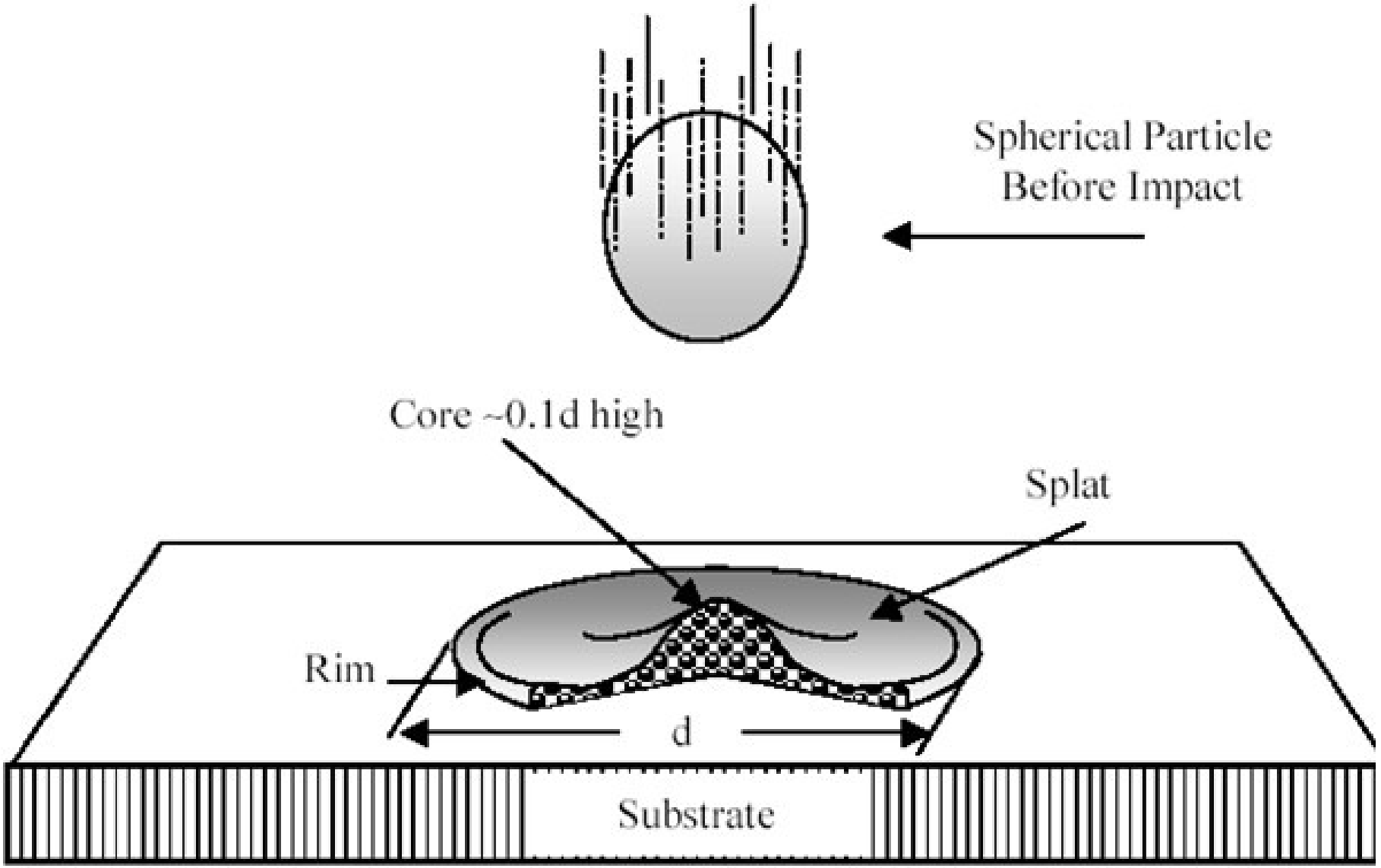

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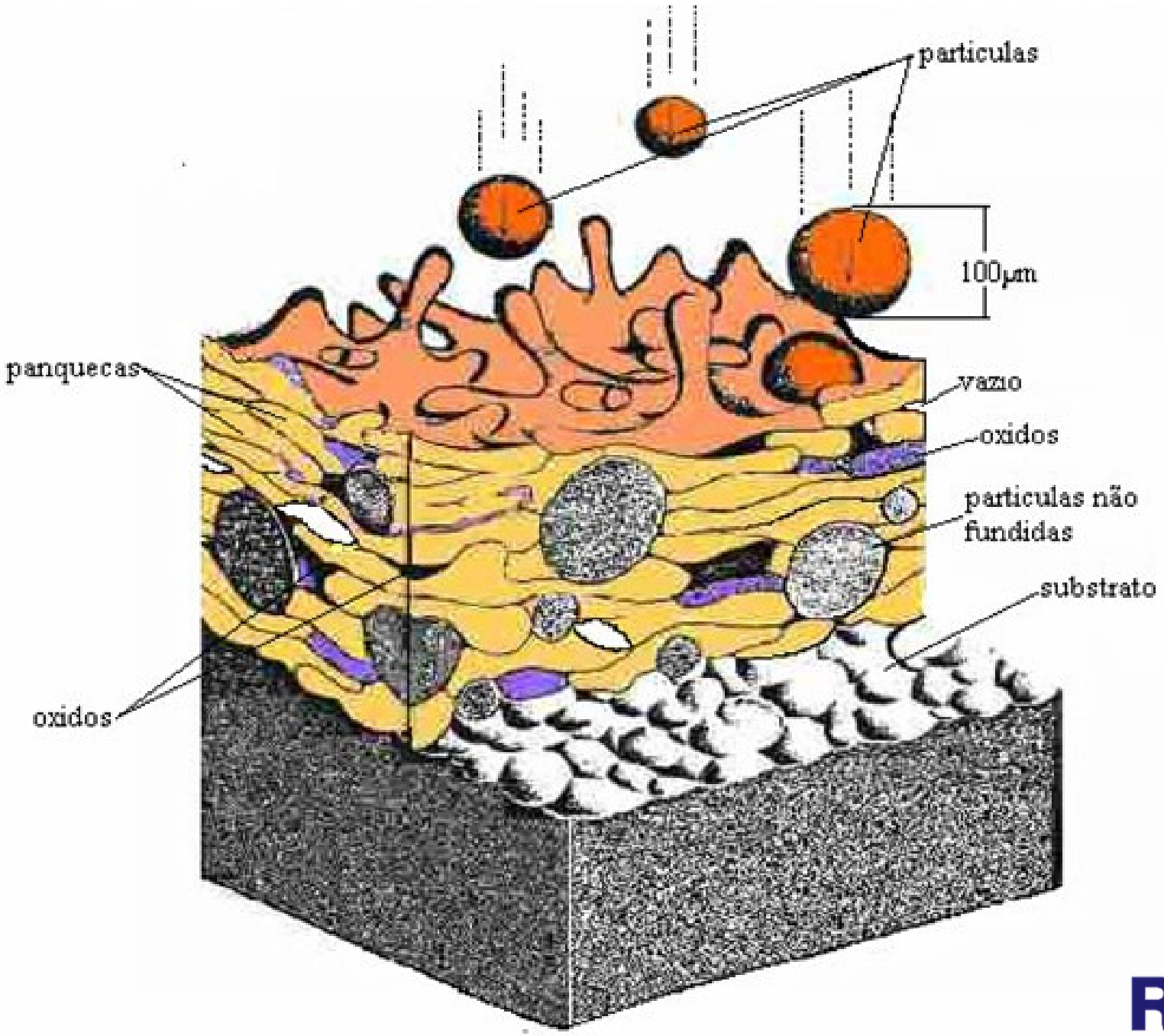

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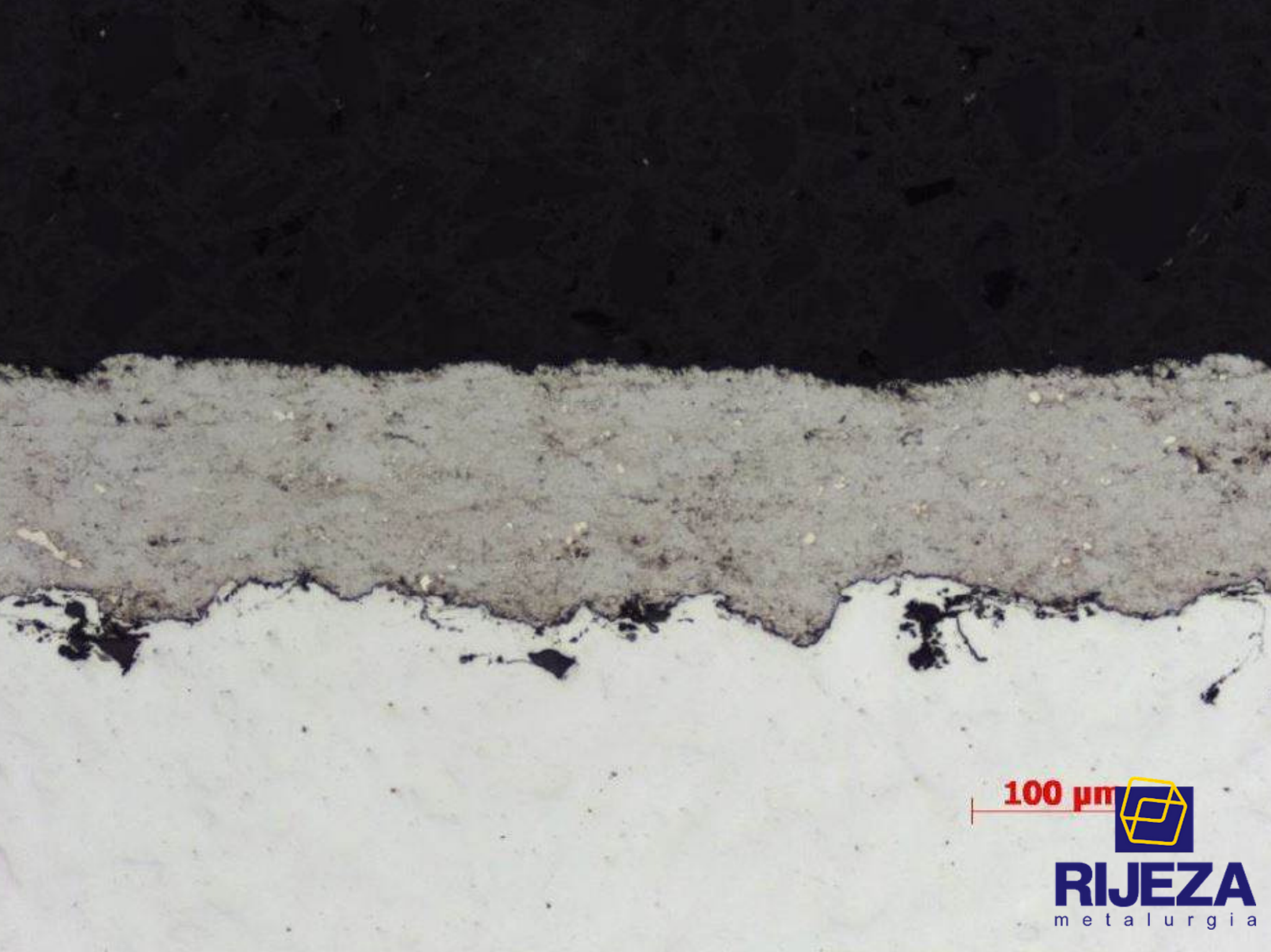
100 µm
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Ligas Aplicáveis

1 - Carboneto de Tungstênio
2 - Carboneto de Cromo
3 - Níquel
4 - Aços Inoxidáveis
5 - Cobre
6 - Inconel
7 - Stellite
8 - Zinco
9 - Alumínio
10....etc

Haste Polida com
Corrosão por Pitting

Soluções para Desgastes

Negócio

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Fornecer soluções contra desgastes, com revestimentos que garantam maior vida útil dos equipamentos, **garantindo resultados positivos para as partes interessadas.**

Missão

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Visão 2020

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Processo Robotizado

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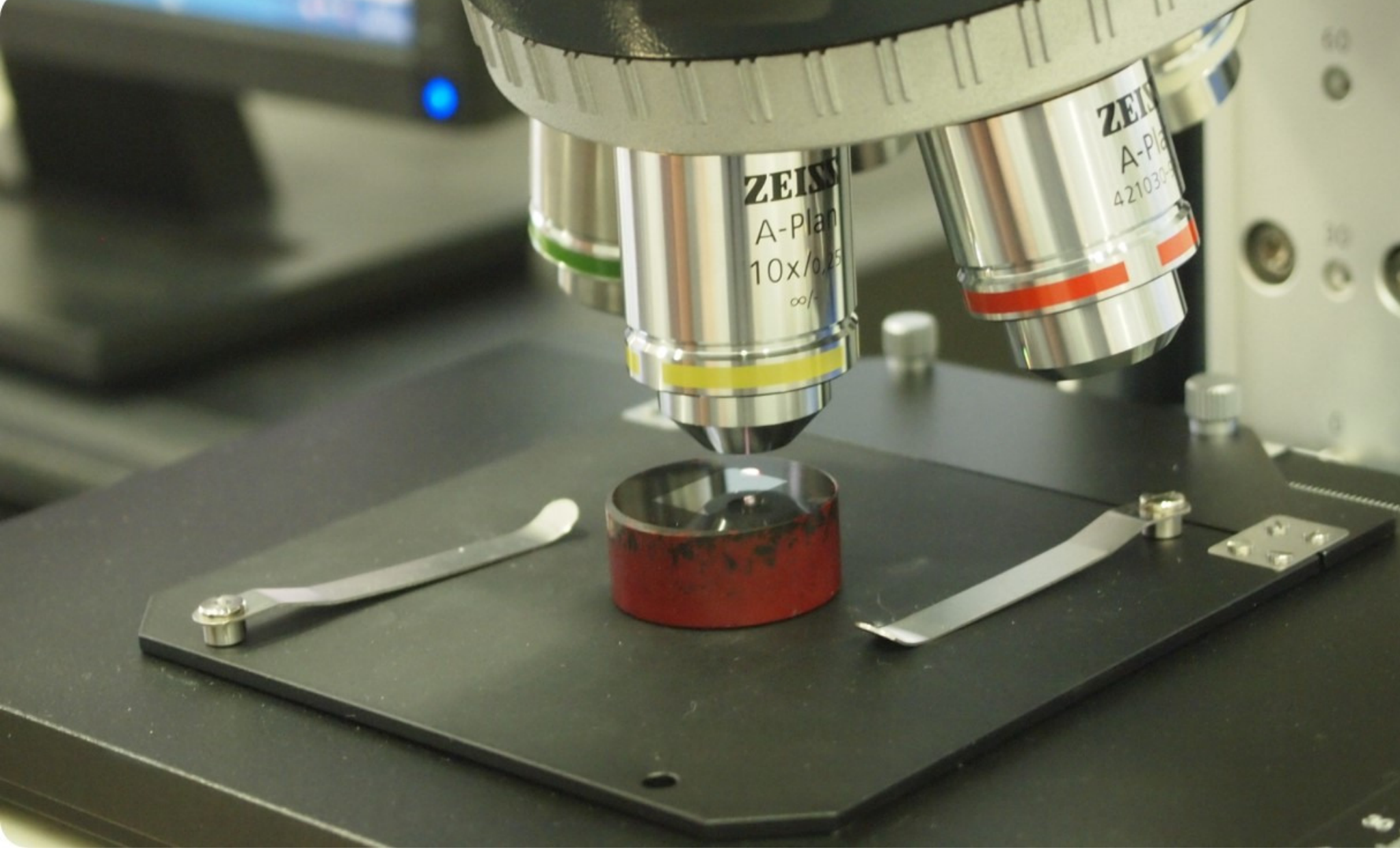

Processo Robotizado

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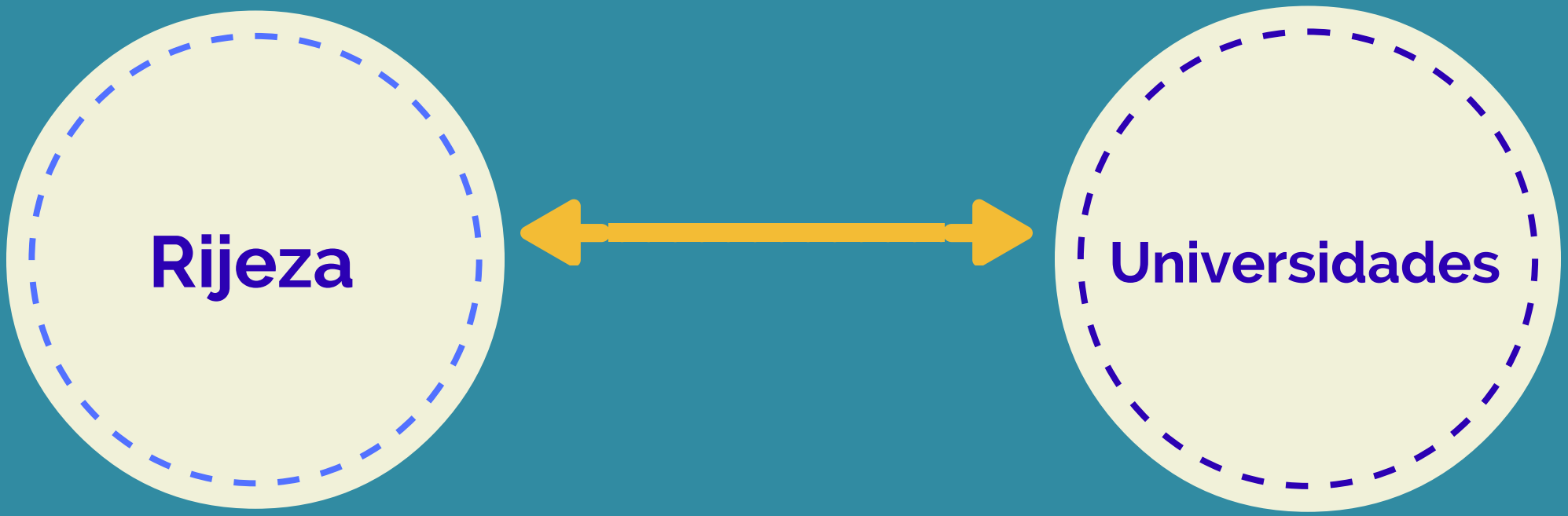

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Revestimentos contra desgastes

51 3590.5400

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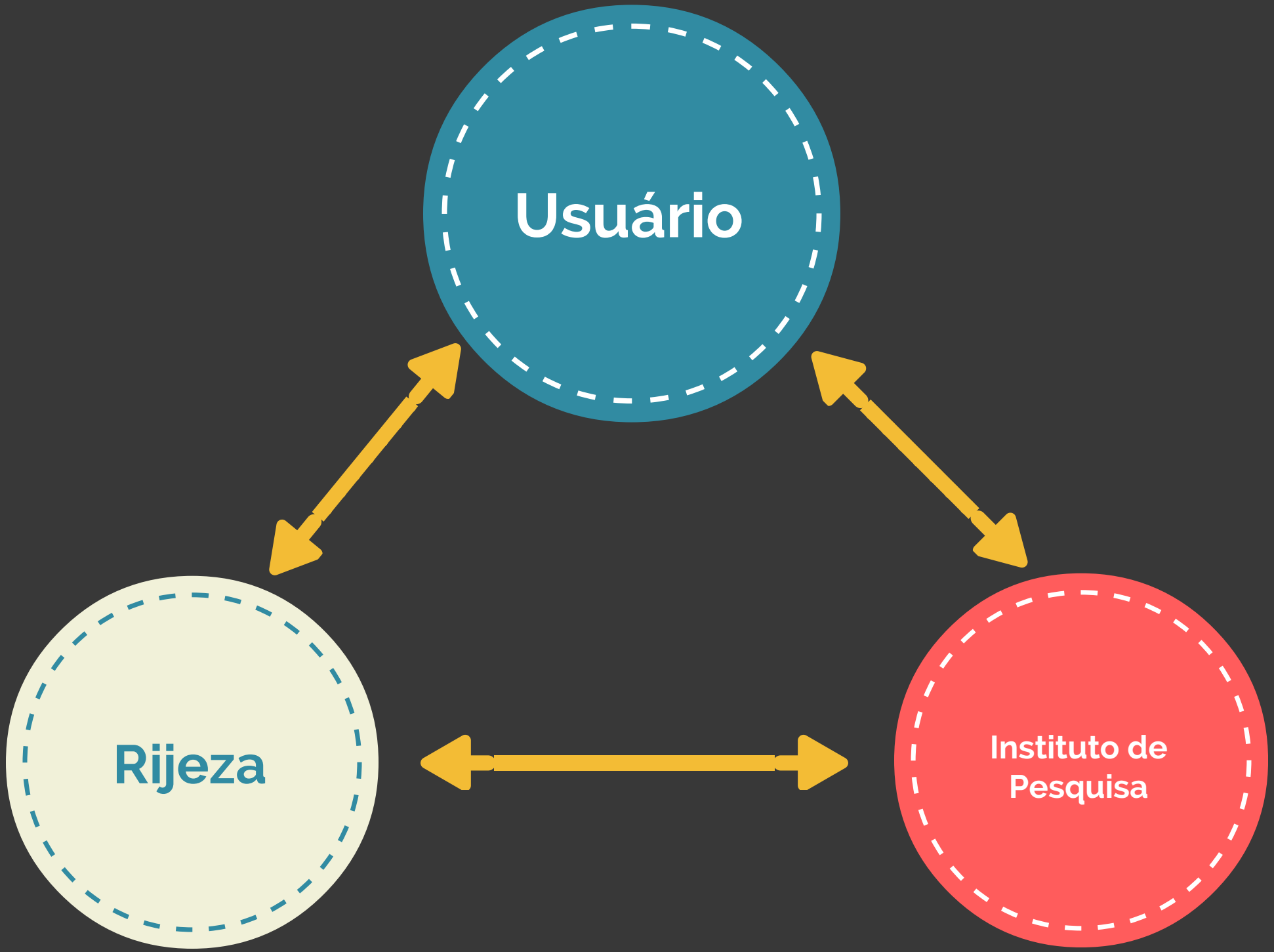
Usuário
Rijeza
Instituto de Pesquisa

Projeto EMMA

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