TURNING

04-2024

FEBRUARY 2024

METRIC

NPA

New Product Announcement

PVD Coating

Cost Effective Inserts

High Productivity

Member IMC Group

ISCAR

ISOTURN

New Standard PVD Coating Specifically for Turning High Temperature Alloys

NPA New Product Announcement

ISOTURN

2 Sided Insert
Double Sided Insert

Cost Effective Inserts

High Productivity Inserts

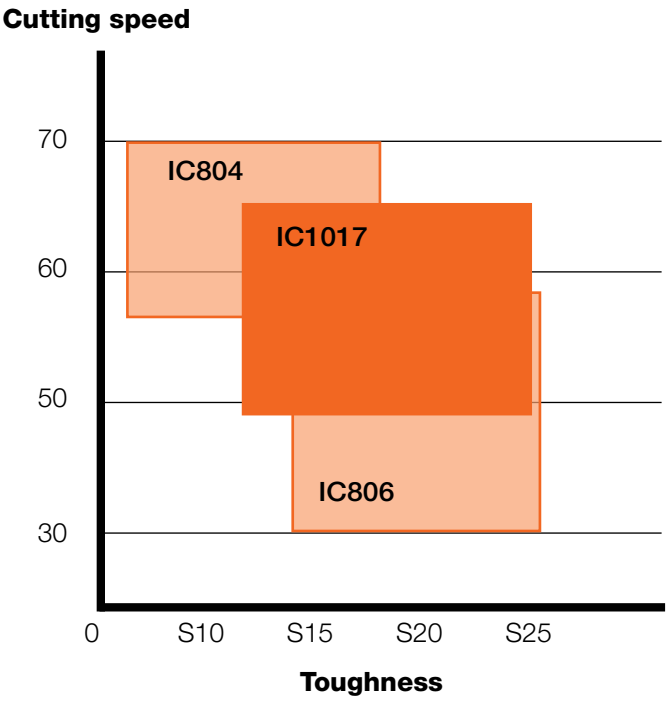
Highlights

Introducing IC1017 (ISO S10-S25), a New Complementary PVD Coated Grade for Machining Nickel-Based Superalloys

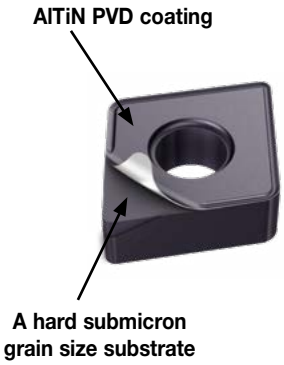
ISCAR has introduced grade IC1017 to complement and enhance the machining capabilities of its existing IC806 and IC804 grades. This new grade is specifically designed for primary industries that machine high temperature alloys.
The goal of introducing IC1017 is to expand ISCAR's market share in these industries.

Features

- High hardness submicron grain substrate for Ni based materials
- AlTiN, Aluminum Titanium Nitride PVD coating for S10-S25 application range
- Grade IC1017 is complementary to the range of existing IC806 and IC804 grades
- Enables machining high temperature alloys at higher speeds



S Super Alloys



Member IMC Group

2 Sided Insert

Double Sided Insert

Cost Effective Inserts

High Productivity Inserts

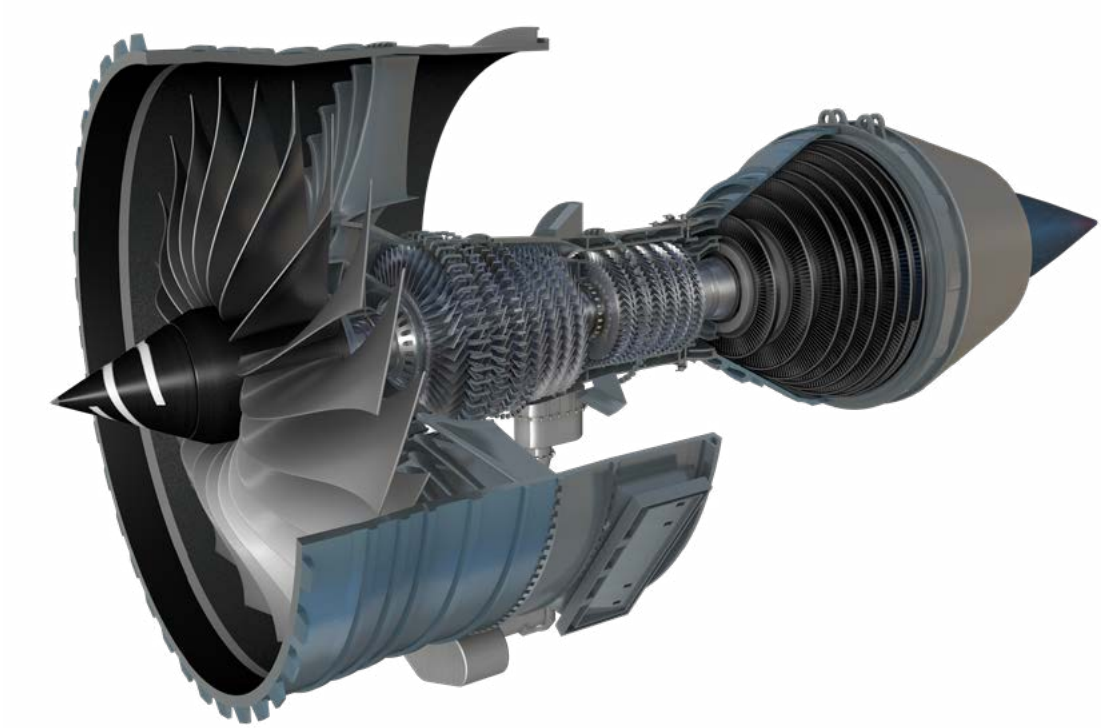
NPA New Product Announcement

ISOTURN

Super Alloys

Super alloys are commonly used in parts of gas turbine engines that are exposed to high temperatures and require exceptional strength, excellent resistance to high temperatures, fatigue life, phase stability, and resistance to oxidation and corrosion. However, super alloys generate high temperatures during the machining process, making it challenging for cutting operations. We are confident that the introduction of this new grade will further enhance ISCAR's market share in aerospace and oil industry applications.

INCONEL BLISK



Member IMC Group