



**Tooling the future,
Today**

Troubleshooting



Troubleshooting

†† Arrows indicate direction of adjustment.

↑ Arrows indicate direction of adjustment
“P” Indicate areas of primary investigation

Edge wear



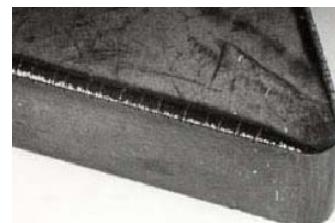
Reduce feed rate;
Reduce cutting speed;
Use more wear resistant grade;
Apply coated grade;

Heat deformation



Reduce cutting speed;
Reduce feed;
Reduce depth of cut;
Use grade with higher hot hardness;

Thermal cracking



Properly apply coolant;
Reduce cutting speed;
Reduce feed;
Apply coated grade;

Crater



Reduce feed rate;
Reduce speed;
Apply coated grades;
Use coolant;

Chipping



Use stronger grade;
Consider edge preparation;
Check rigidity of system;
Increase lead angle;

Depth-of-cut notching



Change lead angle;
Consider edge preparation;
Apply different grade;
Adjust feed;

Built-up edge



Increase cutting speed;
Increase feed rate;
Apply PVD coated grades;
Use coolant;
Edge preparation (smaller hone);

Catastrophic breakage



Use stronger grade/geometry;
Reduce feed rate;
Reduce depth of cut;
Check rigidity of system;
Examine edge prep/nose radius;



Tooling the future, Today

Headquarters

Palbit, S.A.

P.O. Box 4, 3854-908 Branca, Portugal
P (+351) 234 540 300 | F (+351) 234 540 301
palbit@palbit.pt | palbit.pt

