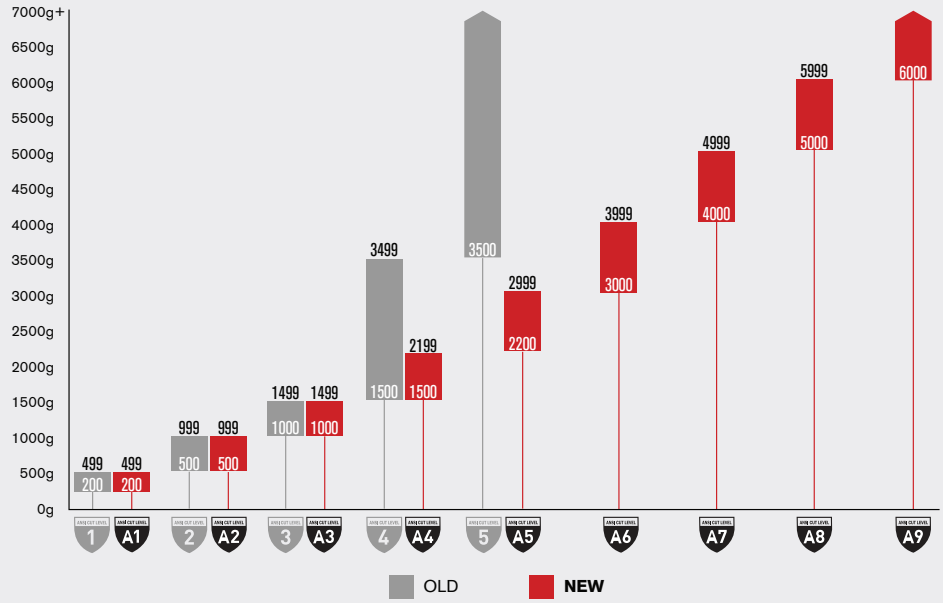
UPDATED ANSI STANDARD

FOR CUT RESISTANCE - ANSI/ISEA 105 (2016 EDITION)

The American National Standards Institute (ANSI) has released a new edition of the ANSI/ISEA 105 standard (2016 ed.). The changes include **new classification levels**, which includes a new scale to determine cut score and a **revised method for testing gloves to the standard.**

New Scale to Determine Cut Scores



The new **ANSI** standard now features nine cut levels significantly reducing the gaps between each level and better defining protection levels for the cut resistant gloves and sleeves with the highest gram scores.

New ANSI cut scores will feature an "A" in front of the score.

Old PIP Shield

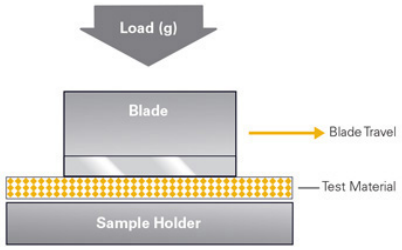
New PIP Shield

New Testing Standard

The new ASTM F2992-15 test method allows for only one type of machine to be used, the TDM-100. By ensuring **uniform testing with one machine**, it is easier to compare gram scores for a given material.

TDM-100 MACHINE

CPPT MACHINE



Understanding ASTM F2992-15 Test Methods

The sample is cut by a straight-edge blade, under load, that moves along a straight path. The sample is cut five times each at three different loads with a new blade for each cut and the data is used to determine the required load to cut through the sample at a specified reference difference. This is referred to as the cutting force, which is then equated to a cut level.

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