

48" x 14 ga. SLEAR-2 Multi-Blanking Unit for Oneto Metal Products Corp.



We recently installed a new 48" wide x 14 ga. SLEAR-2 unit in a customer's existing Iowa Precision Multi-Blanking line. Oneto Metal Products is a Sacramento, California based fabricated sheet metal supplier providing various types of steel, copper, and aluminum to customers for commercial and industrial metal building products. The customer was looking to replace their existing SLEAR unit but with features to improve efficiency and produce a better quality and more accurate finished blank.

The unit is equipped with an IPI peeler table for hands-free thread-up of coils to peel the leading edge from the coil and support the strip from the uncoiler to the entry pinch rolls of the slear.



Our SLR4814-2-CT-150 has (6) pairs of slit blades to produce up to (7) mults. Our slit blade access door feature allows quick and easy operator access to the slit arbors to add or remove knife pairs. The slit knife precision indicator provides a digital readout to ensure proper blade positioning during setup.



The powered (6) roll straightener has offset rolls to remove coilset from material payed off the top or bottom of the coil. Each roll is individually adjustable.

The Slear includes a flying shear, which performs the cut “on the fly” while the material is in motion. This eliminates material marking as the strip never stops in the straightener. Because the material is always in motion, you can run at line speeds up to 150 fpm to produce more parts per minute than a standard start/stop line. The flying shear also eliminates the need for a looping pit in the floor.



The control includes our Close Tolerance package to improve the accuracy of cut parts. The flying shear is driven by a servo motor operating in closed loop mode to better synchronize the shear head to the movement of the material through the Slear.

The unit was installed in November and is currently in production.