

Preventing Electro Static Discharge

In order to eliminate the effects of Electro Static Discharge (ESD) on your wire processing machine the wire “core” has to be properly grounded. See the PDF titled “Grounding Wire Core” under the Bulletins section of our website. This PDF illustrates the exact process needed to properly ground the wire core. ESD can become a problem when processing longer lengths of wire. As the wire travels through the feed belts the feed belts act as a static generator charging the wire core with static. When the cutting blades pierce through the insulation and make contact with the charged wire core a static discharge takes place, this is known as ESD. ESD can potentially interrupt the processing cycle causing the machine to stop. When this situation occurs the machine will need to be powered OFF, then back ON to be reset. In most situations this will reset the machine so processing can continue after the wire core has been properly grounded. The effects of ESD on electronic controlled equipment can vary so the only reliable solution is to prevent ESD from even occurring by properly grounding the wire core.

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