

# Nano-Dies for welding & drawing coaxial cable & aluminum-plastic compound pipe



Increased the lifetime significantly:

- One Nano-Die can produce more than 1000 km cable, which is **100 times longer than the nylon welding die**, and **10 times longer than the TC welding die**.

Improved the surface finish of produced cable & pipe

- The wonderful wear resistance of Nano Dies **guarantees the diameter of produced coaxial cable staying nearly constant**, which is beneficial for generating stable impedance and decreasing the attenuation of the cable;
- The stable aperture of cone sleeve can guarantee the stability of the argon arc while welding, and thus guarantee optimum weld strength;
- **The conventional oil-based lubricating system can be replaced the by water lubricating system, this will protect our environment and save cost.**



Welding die

Drawing die

Outer conductor  
of coaxial cable



Application of Nano-Dies for  
welding & drawing