

## Critical Die Quality Inspection

To help you maintain the stringent quality control standards required for your wire drawing equipment, Fort Wayne Wire Die offers a diverse line of wire die inspection microscopes. Specially designed to allow you to inspect the surface finish and wear patterns of your wire dies, your DM200 Series microscope will play a crucial role in your quality control system.

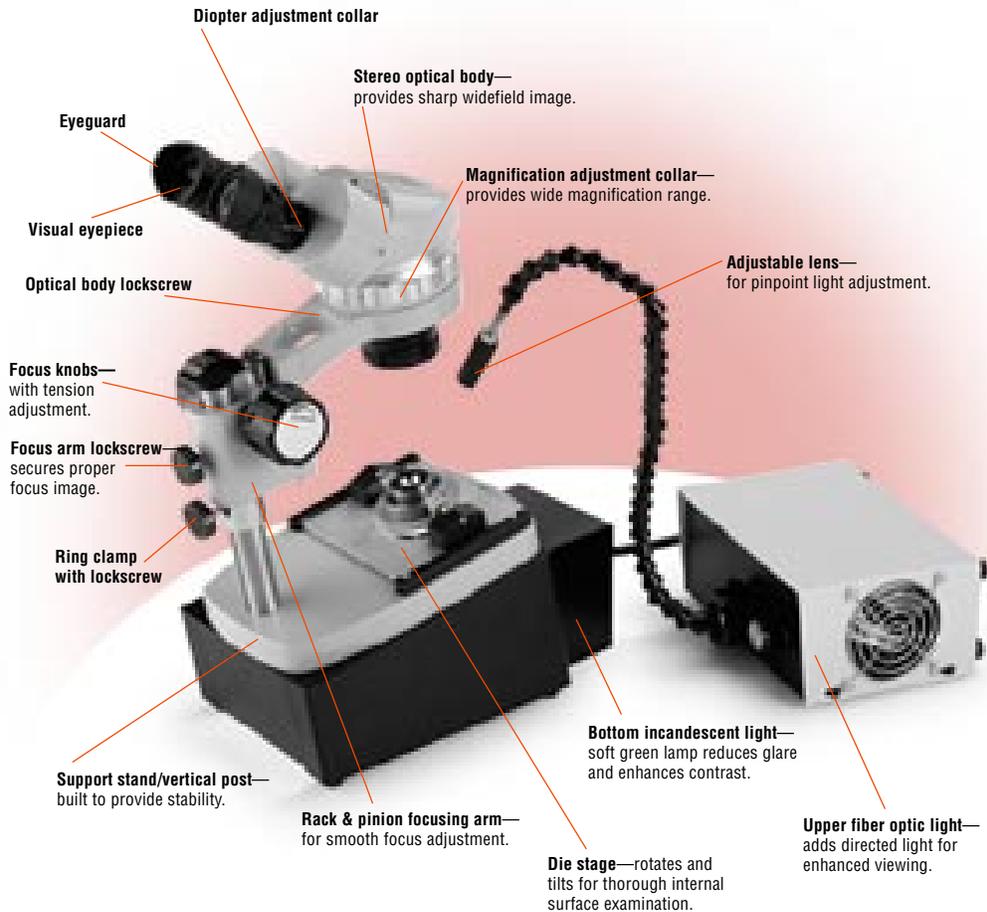


### A Key to Maintaining Die Performance

Specifically designed for visual inspection of die geometry, Fort Wayne Wire Die's DM200 Series microscopes enable you to inspect the surface of your dies for better finished wire quality.

By combining a superior optical alignment with a specially adapted light source, the DM200 Series helps you locate surface flaws and wear patterns. Magnification capabilities allow you to evaluate proper die geometry and polish in dies as small as 0.0075mm (0.0003"). In addition, the die stage swivels and tilts providing a continuous rotational examination of the die's internal surface profile.

With a range of models, from the full-service DM290ZT to the practical DM200, there is a microscope perfect for your application. Setup and operation is easy. For more information, contact a Fort Wayne Wire Die representative.



DESCRIPTION	OBJECTIVE	TOTAL MAGNIFICATION	WORKING DISTANCE	FIELD DIAMETER
<b>DM290ZT</b> Full service model offers widest magnification range for basic carbide to fine precision diamond dies. <i>Trinocular</i> design features photographic capabilities (35mm, instant, or CCTV). For use with dies between 0.025mm–4mm (.010"–.150").	ZOOM 0.7–4.5x 6.5:1 Ratio	14x–90x *(21–135x)	86mm (3.4")	16.1mm–2.5mm (.64"–.1")
<b>DM290Z</b> Full service binocular model offers widest magnification range for basic carbide to fine precision diamond dies. For use with dies between 0.025mm–4mm (.010"–.150").	ZOOM 0.7–4.5x 6.5:1 Ratio	14x–90x *(21–135x)	86mm (3.4")	16.1mm–2.5mm (.64"–.1")
<b>DM280</b> Special medium range binocular model for use with dies between 0.2mm–1mm (.008"–.040").	Dual 2x–4x	40x–80x *(60–120x)	64mm (2.5")	3.5mm–5.5mm (.14"–.21")
<b>DM240</b> Binocular model specially designed for larger tungsten carbide and polycrystalline diamond dies above 1mm (.040").	Dual 1x–2x	20x–40x *(30–60x)	106mm (4.2")	5.5mm–11mm (.21"–.43")
<b>DM200</b> Good entry-level zoom binocular model offering practical capabilities for dies between 0.025mm–4mm (.010"–.150").	ZOOM 0.7–4.5x 6.5:1 Ratio	14x–90x *(21–135x)	93mm (3.7")	16.4mm–2.5mm (.65"–.10")

#### Suggested Microscope Viewing Ranges

Magnification	Hole Size (in)
120x–160x	.002 and smaller
0.05 and smaller	
90x–120x	.00201–.004
0.0501–0.10	
60x–90x	.00401–.010
0.101–0.25	
30x–45x	.0101–.090
0.2501–2.30	
10x–20x	.0901 and larger
2.301 and larger	

Optional Magnification, Die Stage and Power Supply Accessories Available

The DM200 Series Microscopes are available in the above models. Each is available in 110V or 220V and features a die stage that accepts metric or inch size die casings. Standard eyepiece for each is 20x.

\*with optional 30x eyepiece.



**Fort Wayne Wire Die, Inc.**