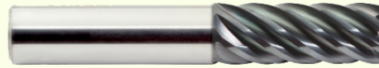


INDUSTRY NEWS



SOLID CARBIDE TUFFCUT® XV 7 FLUTE END MILL SERIES XV7



M.A. Ford is now offer the XV7 down to Ø 1/4." All variants are now in stock!

The XV7 was developed for optimal metal removal rates and strength in dynamic milling strategies in tough-to-machine materials such as stainless steels, titanium, and high temp alloys. Offered in a multitude of flute lengths ranging from 1xD up to 4xD, as well as a full range of standard aerospace corner radius options, the XV7 is an extremely versatile offering that is sure to give a boost in both productivity and tool life.

- 7 Flute
- Solid carbide
- 1xD up to 4xD length of cut options
- New ALtima® Q coated, provides optimal heat and wear resistance allowing for increased tool life, AQ=ALtima® Q coated
- 38° helix, variable pitch geometry for smooth cutting action and reduced harmonics
- Thick core design for increased strength in long ap applications
- Center-cutting end geometry
- Corner radius
- Straight shank and weldon flat options

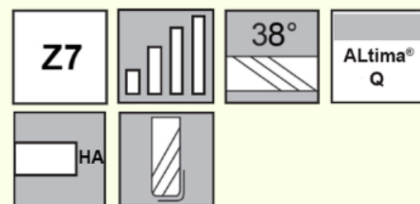
Materials



Applications



Series Attributes



INDUSTRY NEWS

SPECIFICATION

Part No.	ISM-DL300 (without contour illumination)	ISM-DL301 (with contour illumination)
Magnification	15X~100X	
Sensor	1/2" CMOS	
Pixel	2M	
Resolution	1920×1080	
Frame rate	60fps	
Output	HDMI	
Power supply	power adapter	
Dimension (L×W×H)	22.44×11.81×16.93"	
Weight	14.44lb	

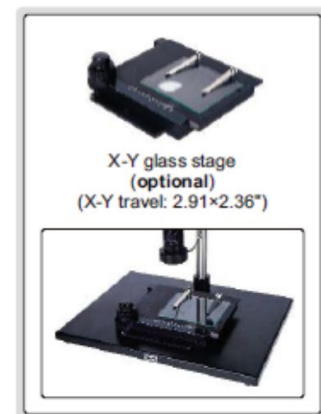
OPTIONAL ACCESSORY

1X camera adapter	ISM-DL-CA1X
2X auxiliary objective	ISM-DL-OB2X
X-Y glass stage (travel: 2.91×2.36")	ISM-DL-STAGE
X-Y metal stage	ISM-DL-STAGE 1
LED light	page 275
Auxiliary objective	page 258

MAGNIFICATION AND MEASURING ACCURACY

Objective magnification	Image magnification	Measuring accuracy *
0.75X	15X	±0.0031"
1X	20X	±0.0028"
1.5X	30X	±0.0024"
2X	40X	±0.0024"
2.5X	50X	±0.0024"
3X	60X	±0.0020"
3.5X	70X	±0.0020"
4X	80X	±0.0016"
4.5X	90X	±0.0016"
5X	100X	±0.0016"

* When measuring the contour of workpieces, please use **ISM-DL301** to ensure accuracy.



MAGNIFICATION, FOCUS DISTANCE AND VIEW FIELD

Auxiliary objective	Specification	Camera adapter	
		0.5X (Included)	1X (optional)
1X (included)	Magnification	15~100X	30~200X
	Focus distance	2.76±.08"	2.76±.08"
	View filed	.63×.43"~.1×.06"	.31×.21"~.05×.03"
2X (optional)	Magnification	30~200X	60~400X
	Focus distance	1.14±.08"	1.14±.08"
	View filed	.31×.21"~.05×.03"	.15×.11"~.024×.016"

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