

Materials List for:

Knowledge Based Cloud FE Simulation of Sheet Metal Forming Processes

Du Zhou¹, Xi Yuan¹, Haoxiang Gao¹, Ailing Wang¹, Jun Liu¹, Omer El Fakir¹, Denis J. Politis¹, Liliang Wang¹, Jianguo Lin¹

¹Department of Mechanical Engineering, Imperial College London

Correspondence to: Liliang Wang at liliang.wang@imperial.ac.uk

URL: <https://www.jove.com/video/53957>

DOI: [doi:10.3791/53957](https://doi.org/10.3791/53957)

Materials

Name	Company	Catalog Number	Comments
AA6082-T6	AMAG		Material
AA5754-H111	AMAG		Material
1,000 kN high-speed press	ESH		Forming press
ARGUS	GOM		Optical forming analysis
PAM-STAMP 2015	ESI		FE simulation software
Matlab	MathWorks		Numerical calculation software
Gleeble 3800	DSI		Uniaxial tensile test
High Temperature Tribometer (THT)	Anton Paar		Friction property test
NewViewTM 7100	ZYGO		Surface profilometer
Magnetron sputtering equipment			Coating deposition
Microhardness tester	Wolpert Wilson Instruments		
Nano-hardness indenter	MTS		