



MATERIAL REPORT

WE43

Mg-4Y-3RE-Zr

14/12/2023

ATOMIZED ON
ATO INDUCTION MELTING SYSTEM

INTRODUCTION

We achieved good particle distribution based on the conducted tests the atomization was quite easy.

The powder was obtained using our latest **ATO Induction Melting System** module, complemented by additional peripheral equipment such as an ultrasonic sieve and a cleaning station.

AVERAGE TEST RESULTS

Table 1 Basic average values

	Diameter [μm]	Circularity
Average	56,31	0,89
Standard deviation	13,75	0,1
Max	117,26	1,00
Min	13,72	0,21

Figure 1 Histogram of the particle size distribution

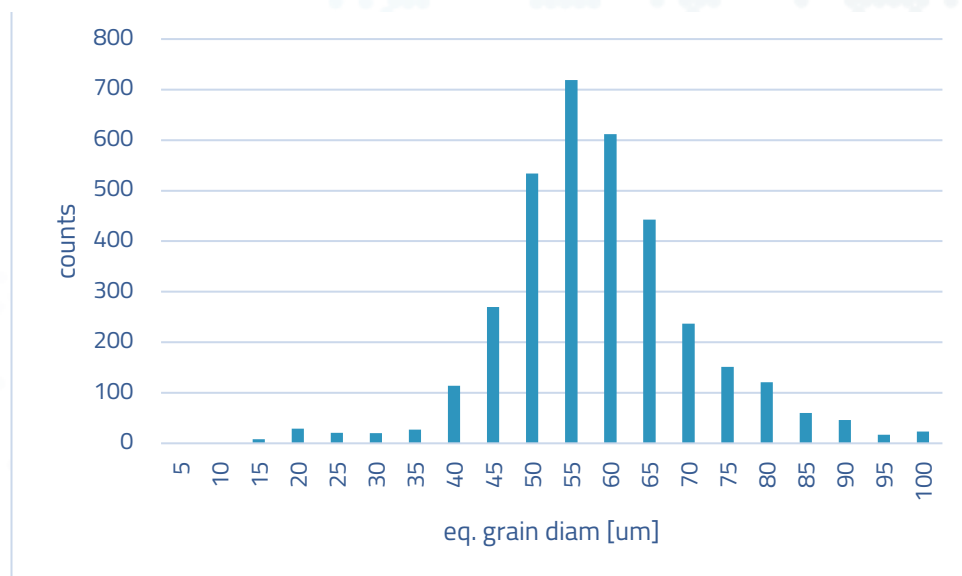
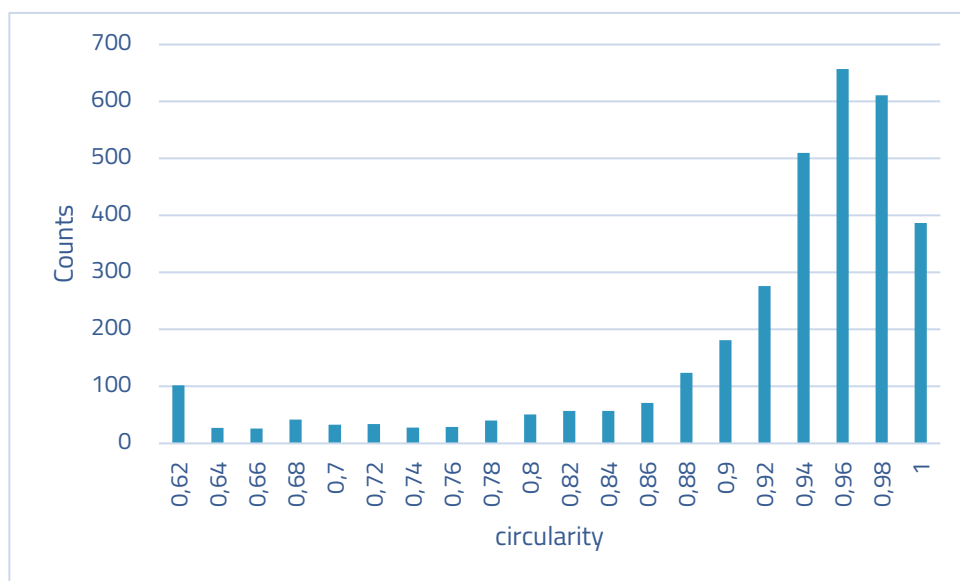


Table 2 Particles size distribution D10, D50, D90

D10	42,86	D50	55,06	D90	73,23
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Figure 2 Histogram of the particle circularity



SEM

Figure 3 SEM photo of WE43

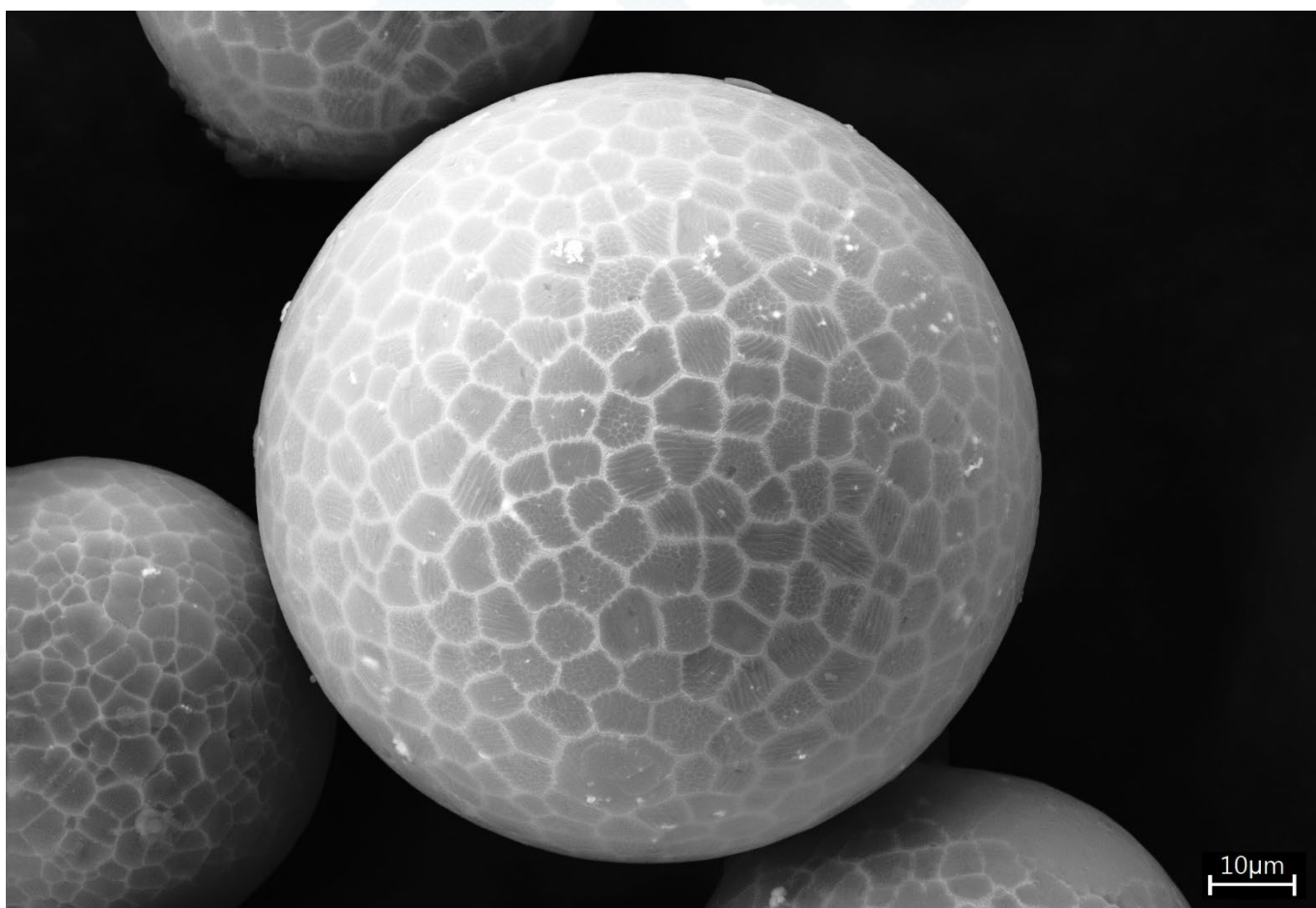


Figure 4 SEM photo of WE43

