

La contribution allemande à la métallographie: Adolf Martens et Emil Heyn,
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Adolf Martens (1850-1914) and Emil Heyn (1867-1922) were pioneers of materials science and engineering.

Martens joined after his studies in Berlin a railway company being responsible for the technical equipment. His interest for the basic mechanisms of mechanical strength and fracture of metallic materials led him to the development of the basic concepts for metallography; his papers published between 1878 and 1889 laid the fundament of this technique. In 1884 Martens was designated as director of the Materials Testing Laboratory at the Technical University Berlin. Heyn was a disciple of Georg Ledebur at the School of Mines in Freiberg; he joined Martens' Laboratory in 1897 and was nominated the director of the Kaiser Wilhelm Institute for Metals in Berlin in 1920.

Heyn gave fundamental contributions to the physical basis of metallography and materials engineering.