A fusion p-category is a fusion category whose Frobenius-Perron is a power of prime number p. For odd primes p, all such categories are group theoretical. For p=2, such categories are equivalent to a $\mathbb{Z}/2\mathbb{Z}$-extension of a group theoretical category. We examine the computation of outer autoequivalences as a method for computing Brauer-Picard groups of these categories. This talk is based on joint work with Dmitri Nikshych. https://arxiv.org/abs/1603.04318 (Received September 21, 2016)