Let $X = \{X(t), t \in \mathbb{R}_+\}$ be a Markov process in $\mathbb{R}^d$. We give some concrete conditions which allow us to determine the packing dimension of the image $X(E)$, where $E \subset \mathbb{R}_+$ is any given closed set. Our results are applicable to (stable) Lévy processes, certain Feller processes associated to pseudo-differential operators and stable-like processes on fractals. This is joint work with Yimin Xiao from MSU