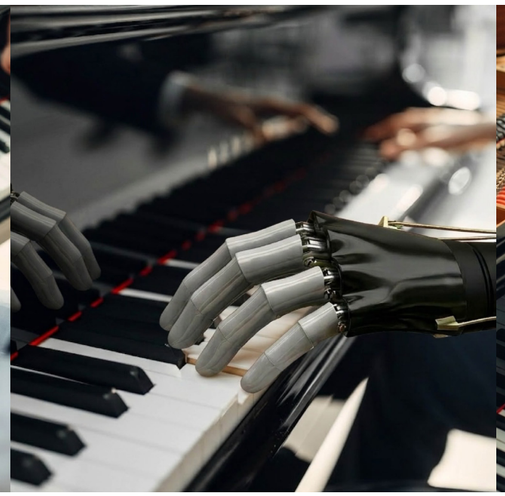
PINK BLOB AWARD

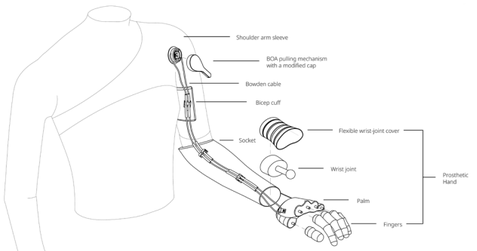
by kartin











Piano Hand Prosthetic by Tinkara Pavlič • 2026 WINNER • Endorsement of the Body

As a pianist, I asked myself: what would I do if I had a missing limb and still wanted to play? That question became the driving force of my project.When observing piano playing, the movement of the wrist stands out. Its main function is to align the hand parallel to the keyboard, allowing easier and more efficient reach. A passive prosthetic can't achieve this, so I needed to find a way to move the wrist using body force alone.This is a fully body-powered prosthetic with no electrical components. It starts with a shoulder sleeve holding a redesigned BOA mechanism, positioned where the arm naturally moves while playing. That movement controls a cable running from the arm, secured on a bicep cuff, to the hand: when the player moves their arm away from the body, the cable pulls the wrist inward, aligning the hand with the keyboard. A second cable on the outer side returns the wrist to neutral.The fingers are also simplified; the user can attach one, two, or three fixed fingers, enabling a single note, an interval, or a chord. The technique is modified, but it allows someone with limb loss to play with both hands again.In practice, the user selects a piece and simplifies their affected hand's part accordingly. They attach the needed fingers, and as they move their arm away from their torso - alongside the keyboard - the cable system guides the wrist into position. Returning the arm also returns the wrist to neutral.

