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<!doctype html>
<html lang="it">
<head>
  <meta charset="utf-8" />
  <meta name="viewport" content="width=device-width,initial-scale=1" />
  <title>Stencil Maker</title>
  <link rel="stylesheet" href="style.css" />
</head>
<body>
  <header>
    <h1>Stencil Maker</h1>
    <p>Carica una foto → genera linee + tratteggi → esporta PNG (tutto in locale).</p>
  </header>

  <main class="grid">
    <section class="panel">
      <div class="row">
        <input id="file" type="file" accept="image/*" />
        <button id="btnProcess" disabled>Genera stencil</button>
        <button id="btnExport" disabled>Esporta PNG</button>
      </div>

      <div class="controls">
        <div class="ctl">
          <label>Dettaglio linee (soglia edge): <span id="vEdge">80</span></label>
          <input id="edge" type="range" min="10" max="200" value="80" />
        </div>

        <div class="ctl">
          <label>Pulizia (blur): <span id="vBlur">3</span></label>
          <input id="blur" type="range" min="0" max="9" step="2" value="3" />
        </div>

        <div class="ctl">
          <label>Spessore linee: <span id="vThick">1</span></label>
          <input id="thick" type="range" min="1" max="4" value="1" />
        </div>

        <div class="ctl">
          <label>Intensità ombre: <span id="vShade">55</span></label>
          <input id="shade" type="range" min="0" max="100" value="55" />
        </div>

        <div class="ctl">
          <label>Densità tratteggi: <span id="vHatch">10</span></label>
          <input id="hatch" type="range" min="4" max="24" value="10" />
        </div>
      </div>
    </section>
  </main>
</body>
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<div class="ctl">
  <label>Angolo tratteggi: <span id="vAngle">45</span>°</label>
  <input id="angle" type="range" min="0" max="180" value="45" />
</div>
</div>

<details>
  <summary>Tip rapido per risultati “da tattoo”</summary>
  <ul>
    <li>Se escono troppe linee: alza “Dettaglio linee” (soglia edge) oppure aumenta “Pulizia (blur)”.</li>
    <li>Se perde dettagli importanti: abbassa “Dettaglio linee” e metti blur basso (0–3).</li>
      <li>Per ombre più “soft”: riduci Intensità ombre e aumenta Densità tratteggi.</li>
    </ul>
  </details>
</section>

<section class="preview">
  <div class="canvasWrap">
    <h2>Originale</h2>
    <canvas id="src"></canvas>
  </div>
  <div class="canvasWrap">
    <h2>Stencil</h2>
    <canvas id="out"></canvas>
  </div>
</section>
</main>

<!-- OpenCV.js (WASM) -->
<script async src="https://docs.opencv.org/4.x/opencv.js"></script>
<script src="app.js"></script>
</body>
</html>
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