FREE VYRCO RESOURCE

Before measuring: hold-point card

Short review for dimensional measurement of mold components

VYRCO 07-QC	v1.0	2026-10-12	Mold, machining, quality and metrology technicians.

Detect missing information, mismatches or unresolved conditions before dimensional measurement begins.

Mark each point as Documented, Pending or Not applicable with a reason. Record the reference and evidence. Only the designated technical authority decides whether the job may proceed.

Record / date / responsible person
Write here:

Component / drawing / revision / feature / units
Write here:

Instrument / ID / model
Write here:

Hold points

Point / requirement	Status	Reference and evidence
1. Job defined Correct drawing and revision; feature, units, requirement and decision authority identified.	[_] Pending [_] Documented [_] Not applicable - explain	Document / revision / observation / result / limitation
2. Instrument identified ID and model match the applicable record; status and restrictions are available.	[_] Pending [_] Documented [_] Not applicable - explain	Document / revision / observation / result / limitation
3. Method justified Range, resolution, method and applicable criterion are documented rather than inferred from display digits.	[_] Pending [_] Documented [_] Not applicable - explain	Document / revision / observation / result / limitation
4. Preparation and check Visible condition, preparation and authorized checks are recorded according to the manual and procedure.	[_] Pending [_] Documented [_] Not applicable - explain	Document / revision / observation / result / limitation
5. Close before measuring Questions, restrictions and open items have an owner; the decision and link to the dimensional record are documented.	[_] Pending [_] Documented [_] Not applicable - explain	Document / revision / observation / result / limitation

Decision for this job / authority / date: ready, pending or restricted use under the applicable procedure
Write here:

Open item / owner / closeout evidence and date / dimensional-record link
Write here:

How to interpret the card

Pending does not mean acceptable. Not applicable needs a reason. Documented needs a reference and evidence. This card does not replace the results record or the acceptance decision.

Signals to stop and clarify

01	The instrument ID does not match its document.
02	The requirement, drawing revision or decision authority is missing.
03	There is visible damage, abnormal operation or an unsatisfactory check.
04	Someone proposes repair, opening, adjustment or label changes without authorization.
05	Conditions or method fall outside the applicable procedure.

Fictional example

FICTIONAL: DEMO-INSERT-A requires an outside measurement. DEMO-MIC-01 has a legible label, but the available record belongs to DEMO-MIC-02. Status: PENDING. Record the mismatch and request the correct record; do not conclude that the instrument measures incorrectly.

Limits

- Does not calibrate or certify an instrument and does not release parts.

- Prescribes no tolerances, maximum uncertainty, resolution-to-tolerance ratio, interval or universal condition.

- The drawing, manufacturer manual and authorized procedure take precedence.

- A zero setting alone does not demonstrate performance across the full range.

Sources and scope

Primary sources accessed October 12, 2026. The card and example are original. Links do not imply certification, official translation or endorsement of VYRCO.

[S1] NIST - Metrological Traceability: Frequently Asked Questions and NIST Policy - 3.2(5), 5.1.1, 5.1.4, 5.1.7
https://www.nist.gov/metrology/metrological-traceability

Scope: Traceability applies to a measurement result, does not automatically establish fitness for purpose, and requires documentation of the measurement system and calibration chain. Limitation: Does not prescribe the instrument, uncertainty limit or decision rule for a mold component.

[S2] Mitutoyo - Quick Guide to Precision Measuring Instruments - PG11 / General notes on using the micrometer
https://www2.mitutoyo.co.jp/eng/useful/E11003/pageindices/index13.html

Scope: Manufacturer guidance identifies instrument selection, thermal preparation and measuring-face care as relevant micrometer-use considerations. Limitation: This general guide does not replace the manual for the model in use and is not generalized to every instrument.

[S3] JCGM - VIM3: calibration - 2.39
https://jcgm.bipm.org/vim/en/2.39.html

Scope: Calibration establishes a relation involving reference values, indications and associated uncertainties. Limitation: Definition only; not a calibration procedure.

[S4] JCGM - VIM3: verification - 2.44
https://jcgm.bipm.org/vim/en/2.44.html

Scope: Verification provides objective evidence that specified requirements have been fulfilled. Limitation: Supplies no acceptance requirement for a particular instrument or component.

[S5] JCGM - VIM3: adjustment - 3.11
https://jcgm.bipm.org/vim/en/3.11.html

Scope: Adjustment is a set of operations performed so a measuring system provides prescribed indications. Limitation: Does not authorize the user to adjust an instrument or replace calibration.

Intended use: complete and adapt for personal or internal use while retaining VYRCO and identifying modifications.