

美商英科公司  
ENCO CHEMICAL CORPORATION  
441 LEXINGTON AVENUE

台灣通訊處：  
台北市延平南路一〇八號二樓  
電話：七六九四

NEW YORK 17, N. Y.

TAIWAN LIAISON OFFICE  
108 YEN PING NAN LU  
TAIPEI. TEL. 7694

December 22, 1953

Ref.: ECC-SC-3  
Subject: Century Quotation

Dr. D. Landsborough  
Acting Medical Superintendent  
Christain Hospital, Changhua, Taiwan

Dear Dr. Landsborough:

We thank you for your letter of December 15, 1953 asking for quotation on our Picker 'Century' 100 MA Diagnostic X-Ray unit.

Enclosed please find a quotation on the said unit together with prices on a Picker two position spot film attachment and other accessories. The recommended unit is M-6065-B, which is a 100 MA single tube radiographic and fluoroscopic combination, with motor driven table M-1222-A and PX-3-G2 tube. If a hand rock tilt table and a ~~PX-1B2~~ tube are substituted, the price can be cut by ~~695.00~~ dollars.  
414.-

The Picker two position spot film attachment costs \$360.00. But there are a number of accessories that go with the attachment at a total cost of \$277.50.

A spare tube and one pair of cables are recommended as spares to keep. The machine is so well designed and built that other spare parts are not necessary.

Complete specifications of the 'Century' combination and other accessories are attached herewith.

Delivery from the factory is 6 weeks after a firm order is placed. Allowances must be made for inland transportation between Cleveland and New York and clearance of shipment from the port of New York. This usually takes two weeks. Two months shall be allowed for ocean transportation and customs clearance. All in all, approximately four months must elapse between making an order and the date of delivery.

The little spring gadget that was missing in your Meteor unit is being made, and will be sent to you before the end of this week.

If there is any further information you need, please feel free to call on us.

Anticipating to be favoured by your order, we remain,

Truly yours,  
ENCO CHEMICAL CORPORATION  
*Tao Shih Chen*  
Tao Shih Chen



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Dr. D. Landsborough  
Acting Medical Superintendent  
Christain Hospital  
Shanghai, Taiwan

Date December 22, 1953

Reference ECC-SC-3

| CATALOG NO  | QUANTITY | DESCRIPTION OF EQUIPMENT   | PRICE       |
|---|----------|--|-------------|
| M-6065-B  | 1        | Picker 100 MA Single Tube Radiographic and Fluoroscopic Century Combination, with Motor-Driven M-1222-A Table and PX-3-G2 Airflow Tube               | US\$3895.00 |
| 1704  | 1        | Picker Two Position, 5" x 7" Spot Film Attachment  | 360.00 *    |
| 10861-F   | 1        | Compression Lock, automatic, stepless, for 1222 Century Tables   | 55.00       |
| 9046-C  | 1        | Counterweight Material, to provide vertical and horizontal counter balance of 1704-B Spot Film Attachment on 1222 Century Tables using PX-3-G2 Tubes | 29.50       |
| 11476   | 1        | Counterbalance Material, to keep fluoroscopic screen in balance when 1704-B Spot Film Attachment is removed from table                               | 18.00       |
| 12544   | 1        | Fluoroscopic-Radiographic Changeover   | 175.00      |
| PX-3-G2   | 1        | Double Focus Radiographic Airflow Tube less cables, ED Focus   | 632.00      |
| T-42P-1   | 1        | Shockproof Cables, 12 ft., @ \$79.50   | 159.00 *    |
| TOTAL F.O.B. FACTORY  |          |  | 5323.50     |
| LESS 5 %  |          |  | 266.17      |
|   |          |  | 5057.33     |
| Ocean Freight, Export Packing, Inland Freight, Insurance (approximate at 13%) |          |  | 657.45      |
| TOTAL CIF KEELUNG   |          |  | US\$5714.78 |

= 277.50 \*



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ITEMIZED STATEMENT OF COST OF EQUIPMENT & ACCESSORIES IN NT DOLLARS,  
INCLUDING BANK CHARGES, IMPORT DUTY, INLAND TRANSPORTATION, ETC.

|   |                |                |
|---|----------------|----------------|
| I. Total Price of Our Quotation Ref. ECC-SC-3 US\$5714.78<br>at Conversion Rate 15.65 |                | NT\$89436.30   |
| II. Bank Charges  | 894.50         |                |
| Postage   | <u>30.00</u>   |                |
|   |                | 924.50         |
| III. Import Duty 10% of DPV (NT\$98379.93) ?<br>Plus Harbour Tax 2% of DPV            |                | 11805.59       |
| IV. Estimated Customs Clearance, Inland Transportation, Etc.                          |                |                |
| a. Custom Brokage   | 120.00         |                |
| b. Wharfrage & Brokage  | 250.00         |                |
| c. Custom Inspection Charge   | 100.00         |                |
| d. Invoice Stamps 4%  | 358.00         |                |
| e. Misc. Charges and Stamps   | 400.00         |                |
| f. Inland Transportation  | 250.00         |                |
| g. Coolie Charges   | 100.00         |                |
| h. Service Charges 1.12%  | <u>1000.00</u> |                |
|   |                | 2578.00        |
|   |                | <hr/>          |
| TOTAL F.O.B. CHANGHUA   |                | NT\$104,744.39 |
| 20% Defense Tax (DPV <sup>Imp. Duty</sup> \$98379.93) ?                               |                | 19675.99       |
|   |                | <hr/>          |
| GRAND TOTAL   |                | NT\$124,420.38 |

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*Ho Shih Chen*



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SPECIFICATIONS

CAT. NO.

ITEM

M-6065-B

PICKER 100 MA SINGLE TUBE RADIOGRAPHIC AND FLUOROSCOPIC  
CENTURY COMBINATION

Includes:

- I. M-1222-A Motor Driven Table
  1. 1415- $\frac{1}{2}$  to 30 second Bucky Diaphragm, 30" focal distance
  2. 10503 Bucky Raising and Lowering Device
  3. 10673-A Bucky Contact System
  4. 10197-D Bucky Centering Device
  5. 1701 Compression Device
  6. 10862 Tubestand, arranged for use over and under table
  7. 11022 Fluoroscopic Mechanism, with 12" x 16" Patterson B-2 Screen
  8. T49-4 Cone, 3" dia., 6" long

II. 33942-B Footswitch with cord and terminals

III. R-1 Pedestal Control with:

1. Dual Kilovolt Selector-100 steps
  - a. autotransformer
2. Pre-Reading Kilovolt Meter-30-120 pkv
3. Monitor Technic Selector, which does the following for each of five technics:
  - a. selects x-ray tube filament heating
  - b. calibrates milliamperes stabilizer
  - c. calibrates kilovolt meter
  - d. selects milliammeter scale
  - e. selects footswitch or hand exposure switch, as required
  - f. controls meter illumination
  - g. selects focal spot
4. Five-Step Monitor Indicator

|     |               |               |               |               |
|-----|---------------|---------------|---------------|---------------|
| FL  | 25            | 50            | 75            | 100           |
| 75L | $\frac{S}{5}$ | $\frac{L}{1}$ | $\frac{L}{1}$ | $\frac{L}{1}$ |
5. Milliamperes Stabilizer, vibrating type, to adjust x-ray tube filament temperature for constant milliamperage during radiography regardless of kilovoltage, space charge, line voltage variation, etc.
6. Dual Scale Milliammeter - 0-7; 0-100
7. Vernier Filament Control of milliamperage for fluoroscopy and therapy
8. Heavy Duty Main Switch
9. "Bucky Timer" Interlock Switch

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PAGE TWO

CAT. NO.

ITEM

10. Magnetic Primary Switch Circuit Contactors
11. Provision for plug-in mountings of F R changeover assembly
12. Quick-acting Circuit Breaker for overload protection
13. 25-foot Transformer-Control Cable; 15-foot Line Cable  
Dimensions: 17-3/8" wide, 14-3/8" deep, 37-5/8" high
  
- IV. 557-D Transformer Unit, oil immersed in steel tank, with
  1. Multiple Coil High Tension Transformer
  2. Two X-Ray Tube Filament Transformers
  3. 100 ma at 90 kvp; 10 ma at 100 kvp
  
- V. 929-B 1/10 to 14 second Synchronous Timer- 60 cycles
  1. Mounted in R-1 Control
  
- VI. PX-3G-2 Double Focus Airflow X-Ray Tube (3D focal spots)
  1. AT7D19 Filter, 1/4 mm Al
  2. 30932 Cone Holder
  
- VII. T42P-1 Shockproof High Tension Cables, 12' long ( 2 supplied)
  
- VIII. 10324 Magnetic Stabilizer to keep filament voltage constant, 60 cycles.  
Above for operation on 200 to 250 volts, 60 cycles.



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PAGE THREE

CAT. NO.

ITEM

- 1704-B PICKER TWO-POSITION, 5" x 7", SPOT FILM ATTACHMENT  
Consisting of a cassette-shifting mechanism that mounts on back of the regular fluoroscopic screen of the 1222 (Century) or Series 200 Tables.  
Accommodates standard 5" x 7" cassette which provides:  
1. One full 5" x 7" radiographic picture when the cassette is placed vertically or  
2. Two round "spots" ( 3 1/2" diameter) side by side on a single film, when the cassette is placed horizontally using the removable diaphragm and compression cone.  
Indexing device permits accurate centering of each spot.  
Spring and air check mechanism automatically shifts cassette from fluoroscopic to radiographic position. The return to fluoroscopic position is manual.  
When mounted, permits fluoroscopy on a 5" x 7" area of the fluoroscopic screen normally supplied with the table.  
Weights 10 1/2 pounds without cassette; 12 1/2 pounds with cassette.
- 10861-F Compression Lock, automatic, stepless, for 1222(Century) Tables
- 9046-C Counterbalance material, to provide vertical and horizontal counterbalancing of 1704-B Spot Film Attachment for use with 1222(Century) Table using PX-3-G tube
- 11476 Counterbalance material, to keep fluoroscopic screen in balance when 1704-B Spot Film Attachment is removed from table.
- 12544 Fluoroscopic-Radiographic Changeover, arranged for rapid switch-over of filament limiter, calibrators, timer connection, ma scale, and auxiliary fluoroscopic contactor, including the semi-variable resistor to provide semi-adjustable fluoroscopic kv. Equipped with multi-pole plug for accurate and rapid connection,



## ENCO CHEMICAL CORPORATION

TIGER BALM BUILDING  
108 YEN PING NAN LU  
TAIPEI, TAIWAN  
POST BOX 530 TEL. 27694

January 28, 1954

Ref.: ECC-SC-9

Subject: On Picker Accessory Items

Dr. D. Landsborough  
Acting Medical Superintendent  
Christain Hospital, Changhua  
Taiwan.

Dear Dr. Landsborough:

We have recently received from our manufacturer principal the Picker International Corporation a set of accessory notes, announcing some new and better accessory items.

We are enclosing herewith descriptive literature on the following items for your reference:

1. "Darex" Flexsi-Cast Immobilizer
2. Gastriloid ( A Barium Preparation )
3. Urokon Sodium 70%
4. Flexigard Gloves
5. Schwarz Pelvimetry Slide Rule.

If you desire additional information on any of the above items, please do not hesitate to write us and we shall do our best to answer any possible questions you may have.

Sincerely yours,

ENCO CHEMICAL CORPORATION

*Tao Shih Chen*  
Tao Shih Chen



## ENCO CHEMICAL CORPORATION

TIGER BALM BUILDING  
108 YEN PING NAN LU  
TAIPEI, TAIWAN  
POST BOX 530 TEL. 27694

**SUBJECT** "DAREX" FLEXI-CAST IMMOBILIZER

---

- WHAT IT IS:** Positive, instant-hardening, reusable immobilizing device.
- USED FOR:**
1. Immobilizing patients during x-ray therapy and radiography; also for surgical, orthopedic and prosthetic procedure.
  2. Quick mold for plaster cast impressions.
- USED BY:** Radiologists, Hospitals, Orthopedists, Surgeons, Pediatricians, Fracture and Emergency room work.
- CONSISTS OF:**
1. Rubberized bag partly filled with fine-grained plastic granules.
  2. Vacuum Pump (mobile or stationary) is attached by means of a rubber tube.
  3. Valve Mechanism (foot operated) for exhausting and reinflating the FLEXI-CAST bag.
- OPERATION:**
1. FLEXI-CAST can be manipulated to fit closely around any part of the body.
  2. When the FLEXI-CAST has been adjusted and the air exhausted by means of the foot-operated valve, the FLEXI-CAST bag instantly becomes rigid.
  3. Although the patient feels no pressure or discomfort, the part of the body held by the FLEXI-CAST bag cannot be moved until the vacuum is released.
  4. The FLEXI-CAST bag may be made malleable and be molded like putty by exhausting only part of the air.
  5. In making a facial mold, for example, the FLEXI-CAST is pressed momentarily over the patient's face and the air withdrawn. Upon removing FLEXI-CAST from the face, a negative mold has been formed into which plaster of Paris is poured. When the plaster has hardened (10-15 min.) the vacuum is released and the FLEXI-CAST falls away, leaving a model of the face.

**FLEXI-CAST  
UNITS:**

Three(3) models:

- A. Kidney shape - 28" long by 16" wide - most versatile for patient immobilization. (CAT.NO. P-91175)
- B. Pillow shape - 28" long by 16" wide - provides precise table-top positioning (CAT.NO. P-91176)
- C. Pancake shape - 18" diameter - softer and more sensitive for making plaster impressions. (CAT.NO. P-91177)



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### "DAREX" FLEXI-CAST (CONTINUED)

**CONTROL VALVE MECHANISM:** Individual, foot-operated Control Valve (CAT.NO. P-91177) and and 8 feet of  $\frac{1}{4}$ " Tygon vacuum tubing.

**FLEXI-CAST VACUUMIZING UNITS:** Two (2) Models:  
1. Mobile - Cat. No. P-91179  
a. Complete vacuumizing system enclosed in steel cabinet.  
b. Stainless steel tray top and handle.  
c. 5" conductive rubber wheels - front 2 are fixed, rear 2 on casters.  
Dimensions: - less handle - 30" high x 20" long x 12" wide.  
2. Stationary - Cat. No. P-91180  
a. Complete vacuumizing system - not enclosed.  
b. Mounted on 1" steel legs.  
Dimensions: 18" high x 20" long x 8" wide.

Each vacuumizing system comes complete with:  
Vacuum tank, vacuum pump, 8 feet of  $\frac{1}{4}$ " heavy wall, gum rubber vacuum tubing, check valve, vacuumstat control,  $\frac{1}{4}$  H.P. motor for 110 volt AC operation and 10 feet of rubber covered cord with molded rubber plug.

**NOTE:** SEVERAL FLEXI-CAST S MAY BE OPERATED FROM A SINGLE VACUUMIZING SYSTEM.

**FEATURES:**

1. Fast: a. Instantly rigid when vacuum is applied.  
b. Relaxes immediately the vacuum is released.
2. Easy: a. Simple, foot-operated valve control vacuum.  
b. Hands are free for manual manipulation of cast and patient.  
c. Valve maintains vacuum automatically.
3. Safe: a. In event of power failure, vacuum reservoir maintains vacuum in cast, keeping it firm and solid for 30 to 60 minutes.
4. Practical: a. Compact, self-contained.  
b. Operated on 110 volt AC current, 60 cycle only.  
c. Tubing may be stepped on without affecting vacuum.

|             |         |         |            |             |       |                           |
|-------------|---------|---------|------------|-------------|-------|---------------------------|
| CATALOG NO: | P-91175 | "Darex" | FLEXI-CAST | Immobilizer | Model | A-Kidney shape            |
|             | P-91176 | "       | "          | "           | "     | B-Pillow shape            |
|             | P-91177 | "       | "          | "           | "     | C-Pancake shape           |
|             | P-91178 | "       | "          | "           | "     | Control Valve             |
|             | P-91179 | "       | "          | "           | "     | Mobile Vacuum System      |
|             | P-91180 | "       | "          | "           | "     | Stationary Vacuum System. |







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NEW YORK 17, N. Y.  
UROKON SODIUM 70%

TAIWAN LIAISON OFFICE  
108 YEN PING NAN LU  
TAIPEI. TEL. 7694

**WHAT IT IS:** A radiopaque -Sodium Acetrisoate

- USED FOR:**
1. Intravenous Urography.
  2. Nephrography
  3. Translumbar Arteriography.
  4. Angiocardiography.

**ADMINISTRATION:** By injection.

- FEATURES:**
1. Notably safe.
  2. Produces better radiographs.
  3. Simplifies techniques.
  4. Saves time.
  5. Approved by the A.M.A. Council on Pharmacy and Chemistry for uses listed above.

|               |         |                   |                                |         |
|---------------|---------|-------------------|--------------------------------|---------|
| CATALOGS NOS: | P-92083 | Urokon Sodium 70% | - 1 25 cc ampul .....          | \$ 5.00 |
|               | P-92084 | " "               | " - 1 box 5x25cc ampuls .....  | 13.00   |
|               | P-92085 | " "               | " - 1 box 20x25cc ampuls ..... | 40.00   |
|               | P-92086 | " "               | " -5boxes 20x25cc ampuls ..... | 37.10   |
|               |         |                   | (per box)                      |         |
|               | P-92087 | " "               | " -25 boxes 20x25cc ampuls ... | 55.20   |
|               |         |                   | (per box)                      |         |

MORE TECHNICAL DATA ON THE USE OF UROKON SODIUM 70% CAN BE SUPPLIED UPON REQUEST.



CABLE ADDRESSES:  
ENCOFAN-TAIPEI  
ENCOFAN-TOKYO  
ENCOFAN-NEWYORK

NEW YORK: 441 LEXINGTON AVE  
TEL: MU 7-4170  
TOKYO: MARUBUN BLDG.  
ROOM 50-51  
TEL: (66) 4598

## ENCO CHEMICAL CORPORATION

TIGER BALM BUILDING  
108 YEN PING NAN LU  
TAIPEI, TAIWAN  
POST BOX 530 TEL. 27694

SUBJECT

FLEXIGARD GLOVES

A lead-rubber protective glove so flexible it can easily be folded, refolded, and then doubled back on itself in a tight little bundle.

Flexibility in a lead-rubber glove has never approached that of the FLEXIGARD.

You can wriggle your fingers independently - "make a fist" - extend your hand in a starfish spread ..... all without the slightest restraint.

Easier palpation, less fatigue - no "fighting" stiff gloves during long examinations.

Guaranteed to have not less than .5 mm of lead protection, confirming to all national and international standards of protection.

Covered in green leather, FLEXIGARD gloves are available in a variety of styles.

|   |                  |
|---|------------------|
| CATALOG NO. PM-92432 - Flexigard gloves ..... | \$32.00 per pair |
| PM-92434 - " zipper gloves .....              | 38.00 " "        |
| PM-92433 - " mittens .....                    | 32.00 " "        |
| PM-92435 - " zipper mittens .....             | 38.00 " "        |
| PM-92436 - Flexigloves, short .....           | 24.00 " "        |



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SUBJECT                   SCHWARZ PELVIMETRY SLIDE RULE (DESIGNED BY DR. GERHART S.SCHWARZ)

---

This slide rule is designed for simplified application of the Ball method of cephalo-pelvmetry. \*

The radiologist using this slide rule can measure pertinent diameters directly on the radiography and easily correct them for object-film distance. The true values thus obtained permit valid comparison of the fetal head volume with the volume capacity of the limiting pelvic outlet.

The distortion correcting features of the slide rule are applicable to other methods of obstetrical roentgenometry. It may also be used to some degree in cardiometry of six foot chest films.

The slide rule provides a multiple choice of target film distances - 30 inches, 36 inches, 40 inches and 72 inches.

A pamphlet giving step-by-step instructions for using the slide rule is available on request.

Case report charts will also be available for use with the rule.

CATALOG NO. MA-92404 - Schwarz Pelvimetry Slide Rule .....\$16.00  
(including instruction manual and leatherette case)

\*The technique devised by Dr. Robert P. Ball is fully described under "Roentgenography Pelvi-cephalometry" in "Medical Physics" Volume II, Otto Glasser, Editor, 1950 - Year Book Publishers, Inc., Chicago, Ill.



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TAIPEI, TEL. 7694

TO: PICKER INTERNATIONAL CORPORATION  
19 SOUTH BROADWAY, WHITE PLAINS  
N. Y., U. S. A.

LOCATION: CHANG HUA, TAIWAN

This will certify that the following equipment was satisfactorily installed and operating to our satisfaction as of the date indicated below:

EQUIPMENT

6067 Meteor Unit, 15 MA, 85 PKV, complete with table, tubestand, shockproof head with x-ray tube, control, footswitch, hand timer, two radiographic cones, and one dental cone.

COMPONENT

STYLE NO

SERIAL NO

|                                  |      |     |
|----------------------------------|------|-----|
| Table                            | 1135 | 712 |
| Tubestand                        | 1355 | 709 |
| Shockproof Head, with X-ray Tube | 571  | 528 |
| Control                          | F-10 | 508 |

Date:

*Dec 11<sup>th</sup> 1953*

Date:

*December 11, 1953*

*Tao Shih Chen*

Name:

*Band Juddborough*

Name: Tao Shih Chen

Title:

*Dec 11<sup>th</sup> 1953*

Title: Technical Adviser, Enco Chemical Corporation, Exclusive Distributor, in Taiwan, of the Picker International Corporation